SCULPTURE INVADERS CAMPUS

ART ATTACK!

Alex West, CM 06, creates a splash with arts nonprofit WonderRoot

RAMBLIN’ WRECKS STORM CREATIVE FIELDS
“I could not go to Georgia Tech because I was a ‘girl,’ but now I am going to send ‘girls’ to Tech!”

— Mary Karel DeHaye

Being part of an IBM team that put a man on the moon, enduring two courageous battles with breast cancer, and raising and showing orchids and purebred cats are all things that Mary Karel DeHaye has done with excellence, tenacity, and pride.

Growing up in the Atlanta suburbs with her parents and three brothers (John J. DeHaye, ME 1961; Donald J. DeHaye, ChE 1962; and Robert F. DeHaye, PHYS 1964), Mary DeHaye wanted to study mathematics at Georgia Tech. At that time, Tech accepted women only in fields of study not offered at other Georgia schools. Though DeHaye was unable to attend Tech—and went on to earn a bachelor’s degree in mathematics from Northwestern University (where she was a member of the Pi Mu Epsilon mathematics honor society) and attended graduate school at Emory University—she has maintained a deep respect for Georgia Tech and its mission.

DeHaye’s first job after college was as a chemist at Emory. She then accepted a position with IBM at the Manned Spacecraft Center in Texas, working on an exciting new project, the Apollo mission. Serving as a scientific programmer for more than a decade, DeHaye contributed to one of the greatest engineering achievements in history. She later transferred to North Carolina’s Research Triangle, where she worked as an IBM Store Systems planner.

Although DeHaye is not a Georgia Tech alumna, she takes pride in knowing that she will help future generations of women mathematicians at Tech through her endowed scholarship fund established in memory of her parents, Joseph Frederick and Josephine Karels DeHaye. The DeHaye Scholarship will be funded after she receives lifetime benefit from a charitable gift annuity with the Georgia Tech Foundation.

“I had appreciated IBM stock. I was looking for income, and I wanted to leave a legacy,” explained DeHaye. “Tech closely reflects my values and strengths. It is close to my family, with a heritage of engineers and scientists. Some stranger cared enough to help me, a struggling student, and my gift is to continue that tradition.”
As a proud Georgia Tech Alum, chances are you have more important things to do than shop for natural gas. That’s why Georgia Natural Gas® (GNG) makes that decision easy with simple plans and simple savings, year after year.

Plus, when you enroll with GNG and participate in the GivesBack program, we’ll donate $5 a month to the Georgia Tech Alumni Association - at no additional cost to you - for as long as you remain a GNG customer. In fact, we’ll even give you a discount just for being a Georgia Tech Alum.

It’s simple: sign up with GNG and do your part to help keep the Georgia Tech Alumni Association one of the top organizations in the country.

Visit gnggivesback.com and use promo code: GIVESBACK

See gnggivesback.com for additional terms and conditions. Enrollment eligibility, price plan availability and actual customer service charge, deposit requirement and price per therm are subject to GNG credit and payment policies. All price plans are subject to GNG’s terms and conditions of service. See onlygng.com for price plans and customer service charge ranges. *Offer limited to qualified new residential customers who enroll on an eligible price plan between 8/1/2013 and 12/31/2013, using applicable promotion code. Some plans may not be eligible. Up to $0.15/therm discount on gas consumed available for a total of 12 consecutive months, provided customer remains on the selected price plan during the applicable period and pays all billed charges by the date due, or discount will be cancelled and customer will continue to be billed at the selected price plan rate without any discount. Actual discount per therm dependent upon price plan selected by customer. Cannot be combined with any other offer.

© 2013 Georgia Natural Gas 8/2013 GNG-1015
ART ATTACK p44

The new Arts@Tech initiative aims to foster the Institute’s creative side—and turn out sharper, happier, more competitive Ramblin’ Wrecks in the process.

PAINT THE TOWN p52

Alex West, CM 06, is making a splash in his hometown of Atlanta with the arts nonprofit WonderRoot.

CREATIVE WRECKS p60

Tech is known as a bastion of the left-brained, but its alumni are making a huge impact in the fields of music, film, art, animation and design.
AROUND CAMPUS 010

012 Talk of Tech The Guthman Musical Instrument competition plays a new tune.

018 Student News Taking the stage with DramaTech, Atlanta’s oldest theater company.

022 Innovate

025 By The Numbers

026 10 Questions

028 Office Space Inside the world of Karen Head, professor and director of the Communication Center.

ON THE FIELD 030

030 Athlete Profiles

032 Studying Sports A new academic program digs into the brainier side of athletics.

IN THE WORLD 034

034 Dollars & Sense Pat Moriarty, IM 77, is the Baltimore Ravens’ salary cap guru.

036 Tech Hack

038 @Issue

040 Jacket Copy The latest books penned by members of the Tech community.

042 On The Job Reading lines with actress Jessica Luza, STC 07.

ALUMNI HOUSE 072

074 Homecoming 2013 Don’t miss any of the top Tech traditions when you return to campus.

076 Mentor Jackets Tracing a mentor family tree.

078 Networks and Groups

080 Travel

RAMBLIN’ ROLL 082

083 Out & About

087 Weddings

088 Births

090 In Memoriam

TECH HISTORY 103

103 Artifact Y. Frank Freeman’s Academy Awards.

105 Memories

105 Time Machine

BACK PAGE 106

From battements to buildings, a dancer becomes an architect.
We Need You to Build Tech’s Foundation

In February, the Alumni Association held the re-engineered Gold & White Honors Gala to recognize our incredible alumni and friends for their service to Tech and to benefit our rapidly growing student programs.

Our theme for the Gold & White Gala is “Inspiring Greatness and Honoring Extraordinary,” and that’s exactly what happened in February. The evening was a remarkable success and raised almost $300,000 to support the Association’s “Building Loyal Alumni” programs.

These programs, which include Student Alumni Association, the GT Student Foundation and the GT Ambassadors, are charged with broadening and enriching the Tech experience for both students and alumni.

One alumnus from the 2013 Gala was the “finest Georgia Tech event in my 45 years of being affiliated with Tech,” while another said it was “simply the best Georgia Tech event that I’ve ever experienced.”

“We’re now planning edition number two of this event, to be held Feb. 13, 2014. The Gold & White Honors Gala is the one Georgia Tech event you don’t want to miss. The inspiring program will honor some of Tech’s most loyal alumni, and guests will enjoy a silent auction featuring high-quality products and services—including unique Georgia Tech-themed items.

So far we’ve secured our Presenting Sponsors and six Gold Sponsors.

The Coca-Cola Company and Coca-Cola Enterprises are the 2014 Gold & White Honors Gala Presenting Sponsors. Waffle House, TBX Partners, State Bank and Trust, Kimberly-Clark Corporation, Georgia Power, and Freeman, Mathis and Gary have stepped up as Gold Sponsors for the event.

We want to thank all of these corporate sponsors (and our alumni advocates within those companies) for their support of this truly meaningful effort—the event would not be possible without them.

And we extend the invitation for other sponsors to get involved in ensuring the future success of Georgia Tech’s student programs. As Tech’s reputation rises in the ranks, so does your own.

If your company would like to participate in this unforgettable event and create a connection with the Georgia Tech alumni network and students in a unique way, please contact Melanie King at melanie.king@alumni.gatech.edu or (404) 894-2259.

Josh Meister
The annual Gold & White Honors Gala is an extraordinary event honoring Georgia Tech’s most distinguished alumni and benefiting program to inspire students as our next generation of alumni leaders. The next gala will be held Feb. 13, 2014, at the InterContinental Hotel in Atlanta’s Buckhead neighborhood. The Gold & White Honors Gala is made possible through the support of our generous sponsors. Special thanks to the sponsors who have joined us so far.

**Presenting Sponsors**

*The Coca-Cola Company*  
*Coca-Cola Enterprises, Inc.*

**Gold Sponsors**

*FMG Law*  
*Georgia Power*  
*Kimberly-Clark*

*State Bank & Trust Company*  
*thxBenefit Partners*  
*Waffle House*

**Want to Sponsor Gold & White 2014?**

Alumni and friends who are interested in serving as sponsors or donating auction items may contact Melanie King, director, leadership giving, at (404) 894-2259 or melanie.king@alumni.gatech.edu. More information is online at gtalumni.org/gold&white
I enthusiastically endorse your inclusion of military service in reporting the passing of Tech alumni.”

John Smith II, IM 58, Smyrna, Ga.

FB

NBA Memories
I played regularly in the NBA [“The Noon Basketball Association,” Vol. 89, No. 2] from 2006 to 2010 while I was in grad school. These are indeed some of my best memories from Tech, playing with John Barry, Doug, Walt, Chris, T, Christos, and so many other faculty, staff and students. I remember so many things: Chris’ outstanding plays, Doug’s high basketball IQ, John’s Ginobili-like style, T screaming “ice cream” every time he made an easy 3-pointer—it makes me smile to this day. Count on me to show up on the court the next time I’m in Atlanta.

Ibrahima Ndiour, MS ECE 07, PhD ECE 10
Posted at gtalumnimag.com

Thanks for Highlighting Unique Course
The recent article on the NBA [“The Noon Basketball Association,” Vol. 89, No. 2] was quite enjoyable to read! As I was finishing it, my eye caught the sidebar that highlighted Dr. [Joyce] Medina’s History of Industrial Design course, and I was pleased it is still being offered. I decided to take Dr. Medina’s fascinating course my very last semester before getting out. I was probably the oldest guy in what was an introductory class offered to all majors but geared toward industrial designers, architects and mechanical engineers. Some took it under the mistaken notion that it was going to be an easy A, but I had always been interested in architecture, furniture and product design, and figured this would add some spice to my last semester at Tech. And it did! My class project was a study of the Philips Doubleheader Electric Shaver and the evolution of electric shaver design. Whoever thought a civil engineer would have that kind of opportunity? Only at Tech! To this day I find myself happening into furniture galleries or historical furniture exhibits at museums around the country, all because of an interest that this class sparked. As if that wasn’t gift enough, this was absolutely the only class I took where the textbook is still suitable to be used as a coffee table book at home. Thank you to Dr. Medina for this unique course offering and the Alumni Association for highlighting it.

Fred Carlson, CE 01, MBA 04
Tampa, Fla.

Remembering Cecil Johnson
Professor [Cecil] Johnson [GE 48, IE 49, MSIE 57] is one of the most fascinating people I ever met [“In Memoriam,” Vol. 89, No. 1]. I enrolled in his class on design of experiments for a quarter at GT. I doubt he would have remembered me, but he encouraged me to study people’s (and other animals’) territorial behavior and how it affected engineering testing and experiments.

Being a Brit, I was fascinated with his story about his time in B-24s based in England. Apparently, the U.S. Air Force had a method of testing the bomb load of a B-24. It seems that, when they first arrived, the bomb load was increased one bomb at a time. The pilots noticed the wing flex increasing more and more, and when they asked what the limit was (as they’d well exceeded the manufacturers stated limit already), they were told to follow orders and fly. Eventually, the wings were flexing almost vertically, and faced with protests from the aircrews, someone whispered to them that when a bomber broke a wing on takeoff, the bomb load would be that—minus one bomb! He swore to me that this is a true story and told me not to do my engineering testing using this method.

He was a real gentleman and always had time to chat and have a chuckle and was a true war hero whom I admired greatly. I will always remember him.

Mark Duffin, IE 91
Posted at gtalumnimag.com

Missing Class Notes?
Does the lack of notes for classes before 1960 mean that we are all deceased?

Dave Donald, IE 55
Posted at gtalumnimag.com

Editor’s Note:
We sure hope not! Alumni of all ages are invited to submit class notes to Ramblin’ Roll by writing us at 190 North Ave. N.W., Atlanta, GA, 30313, or emailing ramblinroll@gtalumni.org.
Still not Convinced

In Vol. 89, No. 2, the Alumni Magazine profiled Rick Cavallaro, AE 84, whose Blackbird landcraft was made to sail directly downwind faster than the wind—seemingly defying physics and stirring up controversy, including on gtalumnimag.com. Go online to join the conversation.

Donald E. Lee, EE 47, posted at 11 a.m., June 6

Unbelievable. Somehow it sounds like more energy out than energy in [“How to be Wrong,” Vol. 89, No. 2]. I’m looking for the more conventional sail that would cause the Blackbird to move forward in a 15 mph wind. If the propeller is generating the power to drive the wheels, the thrust would approach zero as the craft speed approached wind speed. And, if it got up to the speed of the wind, assuming 100 percent efficiency, the relative speed of the craft and the wind would be zero (wind speed minus vehicle speed). In that case, we could assume that the mechanical drive from the wheels to the propeller (assuming 100 percent efficiency) could be causing the propeller to rotate such that it would provide additional thrust to move the Blackbird forward relative to the wind. This load of the propeller on the drive train should act as a load on the wheels, causing them to slow down. I think the craft would remain well under wind speed. I don’t think I would believe it even if I saw it in action!

I live in a retirement community and we have a pretty sophisticated model airplane group. We have access to an abandoned aircraft runway where many test flights occur. If this is real, I would like to propose that our model plane group undertake a trial model of the Blackbird.

Rick Cavallaro, AE 84, posted at 11:10 a.m., June 6

I’ll certainly be more than happy to help you demonstrate this to the satisfaction of you and your R/C flying buddies. I think you’ll really like it.

CORRECTIONS: In the Ramblin’ Roll section of Vol. 89, No. 2, we listed the incorrect degree alumna Chioma Nwachukwu received from the London School of Economics; the correct degree was a master’s of science in health, population and society. In the “Cradle of Innovation” graphic in Vol. 89, No. 2, alumnus Reginald Fleet was listed as the inventor of WD-40; Fleet was involved in the development of the product, but Norm Larsen is credited for its creation. In the In Memoriam section of Vol. 89, No. 1, Ralph “Bob” Andrews Jr. was listed as serving in the Army; he served in the Army Air Corps. In the In Memoriam section of Vol. 89, No. 2, the obituary for alumnus Larry Morris included an illustration of alumnus Jimmy Morris. We regret the errors.

Want to get in touch? Send letters to: Editor, Georgia Tech Alumni Magazine, 190 North Ave. NW, Atlanta, GA 30313, or editor@alumni.gatech.edu. Comment at gtalumnimag.com or at facebook.com/georgiatechalumni. View our letters to the editor policy at gtalumnimag.com/letters-policy.

Contributors

MERICA JENSEN, Mgt 08, M Arch 11, writes about her experiences as an architect and ballerina on page 106.

VIC NGUYEN, a Toronto-based artist and creator of video games, illustrated the portraits for @Issue on page 38.

OSAYI ENDOLYN is an award-winning writer who is at work on a book about the U.S. Marine Corps. She profiles alumnus Alex West on page 52.

JONATHAN CROWL is a journalist and writer. His work has appeared in Willamette Week, Newsday and other publications. He wrote about Tech’s new sports academic program on page 32.
New Adventures in Hi-Fi

Rachael Maddux

Guthman Musical Instrument Competition lays down its own beat.

In 1998, when Richard Guthman, IE 56, established a music competition at Georgia Tech, he likely never expected that one April night, 15 years later, he would sit in on the finals of the contest that bears his name and watch a man coax otherworldly sounds out of a gleaming brass trumpet connected to an iPhone interface.

iPhones, of course, had not been invented in 1998. And therefore neither had the Electrumpet, the old school/new technology hybrid that took top honors at the 2013 Guthman Musical Instrument Competition.

The contest was originally founded by Mr. Guthman in honor of his wife, Margaret, Hon 12, an accomplished pianist and music lover. For its first decade, it existed as the Guthman Keyboard Competition, hosting high school and college jazz and classical pianists. But the piano competition field was a crowded one, and Tech lacked the funds or the venue to take Guthman to the next level. (The School of Music was, and still is, housed in the Couch Building, a semi-converted 1929 elementary school.)

Meanwhile, Tech was earning a reputation as a hotbed of boundary-pushing, forward thinkers: The research-focused Center for Music Technology and the School of Music’s master’s degree program had launched, and the programs were seeing some success with National Science Foundation funding for music and technology projects. And so, with its founder’s blessing, in 2009 the event was relaunched as the Guthman Musical Instrument Competition.

“The driving question of creating the new competition was, ‘Do we want to be like someone else, or do we want to do something that nobody else is doing?’” says Frank Clark, professor and chair of the School of Music.

The new contest, hosted by the Center for Music Technology with support from the School of Music, started out big...
and has stayed steady over the years. In its first year, there were 50 applicants and 30 competitors; the 2013 event, held April 11 in the atrium of the Klaus Advanced Computing building, saw 59 entrants (a record) and 20 participants.

On the day of the finals, the competitors were each allotted 20 minutes before the judges and public audience, time that could be used to share their instrument’s technical specifics, to discuss its development process, or to just play. The judges (this year’s panel included sound designer Richard Devine, composer David Wessel and experimental music pioneer Laurie Anderson) then narrowed the field to seven finalists, each allotted a final showcase of eight minutes.

The performances ranged from traditionally structured pieces to abstract freestyles, and the inventors’ stage presences ran the gamut from demure to flamboyant.

Merche Blasco, from Brazil, took third place for her Espongina water controller, the only performance of the night that required a rain poncho; Onyx Ashanti, wrapped in tattoos and snug leather pants, won second place overall and the People’s Choice Award for Best Performance with his BeatJazz, a wearable system of controllers and sensors that can be used to manipulate and craft beats from the performer’s movement, breath and voice. And the Electrumpet, designed by Hans Leeuw, one of Holland’s top jazz and improvisational musicians, took home top honors.

Like the piano competition of yore, the Guthman Musical Instrument Competition awards cash prizes, $10,000 in total. It’s often enough to offset the cost of international flights—and, increasingly, many entrants do travel great distances just to compete at Tech. Of course, Clark notes, bestowing glory isn’t Guthman’s only goal.

“It’s made clear: Yeah, you’re here to compete, but what we want to do is provide an environment in which you can find real value and where you have an opportunity for this to be a really positive learning experience,” he says. “Because everyone here is incredibly gifted, creative and driven. And I can’t help but believe we’re going to learn a lot from one another.”

**OF COURSE:**

**THE LAND (AND PLANTS) DOWN UNDER**

**BIOG 2100: Island Biogeography of New Zealand—Pacific Study Abroad Program, 2012**

**Instructor:** David Garton

**Required reading:** *The Song of the Dodo: Island Biogeography in an Age of Extinctions*, David Quammen

**Syllabus says:** “The varied land forms of New Zealand provide an excellent laboratory for observing the island forming process, which is still active. National parks have preserved the natural plant and animal communities, found nowhere else on the planet, and which the students will have the opportunity to observe first-hand.”
Tech Offers First-of-its-Kind MOOC-based Degree

Michael Terrazas

Students in the program will face Tech’s rigorous academic standards—from home.

All content will be delivered via the MOOC course format, with enhanced support services for students enrolled in the degree program. Those students also will pay a fraction of the cost of traditional, on-campus master’s programs; total tuition is expected to be below $7,000. A pilot version, partly supported by a gift from AT&T, will begin this fall. Initial enrollment will be limited to a few hundred students recruited from AT&T and other Georgia Tech corporate affiliates. Initial enrollment will be limited to a few hundred students per course and is expected to expand gradually over the next three years.

“Georgia Tech’s vision is to define the technological research university of the 21st century. We will explore technologies and instructional approaches that will improve our role as a leading provider of the best and most effective education in the state of Georgia, the nation and the world,” said Rafael L. Bras, provost and executive vice president for academic affairs at Georgia Tech.

The Institute has been involved in online education for more than 30 years and in the past year has taken a national leadership role in massive open online courses. This is only the latest expansion in Tech’s online offerings.

“We are thrilled to be able to join with Udacity and AT&T in taking this bold next step,” Bras said. “We are proud of the visionary role of Dean Zvi Galil in the creation of this degree offering from our nationally renowned College of Computing.”

The degree could help address the nation’s growing shortage of qualified workers in science, technology, engineering and mathematics fields, one of the primary reasons AT&T decided to lend its financial support. The company also supports vastly expanding the accessibility to and lowering the cost of quality education.

“The OMS CS will set a new agenda for higher education—real, rigorous and marketable graduate education in computer science will now be available to tens, even hundreds of thousands of additional students around the world,” Galil said. “Computing is the catalytic field of the 21st century. Now we could potentially double the number of trained computing professionals worldwide in as little as a decade.”
Show your colleagues where you came from...

And why

The Executive Board Room
unsurpassed new technology for top-level meetings

Only at the Georgia Tech Global Learning Center

Have your next meeting at our Executive Board Room.
To set up your personal tour, call us at 404-385-6203.
Meanwhile, find more details at www.gatechcenter.com/alumni
84 5th St. NW | Atlanta, GA 30308-1031

Georgia Tech Global Learning Center
Lights, Camera ... Addition!


Lucas Parker and Walter Seals sat across from one another while a friend spun a wheeled office chair with a camera on a tripod mounted to it. For six hours, the Georgia Tech students struggled to get the timing right as the camera’s rotation sped up and slowed down to capture their brief conversation.

With dawn approaching, they finally succeeded. And now the young filmmakers are reaping the rewards.

That complex scene is one of the key moments in Math: The Musical, a five-minute short film produced this spring as part of Campus Movie Fest.

The national organization runs competitions at participating schools across the country, crowning a champion at each campus. The student filmmakers have just one week to shoot and edit their film.

Math (which, despite its name, features nary a song-and-dance number) won the Tech contest, earning its creative team an invitation to the national festival in Los Angeles. In June, Seals and Parker drove cross-country to Hollywood, where they attended filmmaking workshops, networked with other winners and screened their film in front of a live audience.

Their experience began when Parker, now a sophomore science, technology and culture major, saw a flyer for the contest on campus. Adapting the storyline from a play he wrote in high school, Parker recruited Seals (a sophomore industrial engineering major) and another actor, Nathan McCurry, to star in and produce the film.

In the short, Parker (at left) plays Francis, a young man who questions his love for math. His journey of self-discovery is aided by a “Drug Slingin’ Math Friend” (Seals), and a “Pythagorean Stoner” (McCurry, dressed in tie-dye, and later in a toga).

Parker said the team spent much of their weeklong shoot trying to incorporate inventive camera work.

“Every time we came to a new scene it was, ‘OK, how can we do this?’ We messed around until we came up with something,” Parker said. “Offbeat was definitely a major theme.”

The process wasn’t without its headaches. Seals said the team almost hit a breaking point when it came to the spinning-camera scene.

“It was really late at night and everyone was getting frustrated,” Seals said. “But when we went to Hollywood that was what most people talked about—how impressive it was that we got [the scene] in one shot.

Seals and Parker have a busy schedule ahead. They are already at work on a music video starring Atlanta rapper Marc DeCoce, and both plan on making more short films together, though only as a hobby.

For now, neither student is thinking too far down the road.

“I’m just going to keep doing as much as I can while I’m in school,” Parker said. 


Jonathan Crowl
A dancing robot is nothing new. A quick search on YouTube will yield videos of mechanical humanoids getting down to everything from “Thriller” to “Gangnam Style.” But some Tech researchers are taking robots and dance to a higher level.

Instead of programming a robot to copy an existing dance such as those in the online videos, Amy LaViers, a PhD candidate in electrical and computer engineering, is defining the various styles of human movement and creating algorithms to reproduce them on a humanoid robot. LaViers has produced a robotic dance performance based on her research, called “Automaton,” in which a Nao robot and professional dancers explore the notion of “automatic style.” The show debuted in April in the Clough Undergraduate Learning Commons.

“We are working with such a highly articulated robot that can do so many cool things, yet there are many ways he is limited too,” LaViers said. “I do play with that idea of: What can the robot do, and what can the people do? Where are the differences and where are the similarities?”

A dancer for most of her life, LaViers considered combining dance with engineering during her undergraduate senior project at Princeton University. She saw a natural overlap between choreography, an arrangement of steps, and robotic algorithms, an engineering tool that plans robotic movement.

Robotic movements tend to be stiff and unnatural, but LaViers believes robots should have a range of quality of movement. To achieve this, she is developing quantitative tools that explain what differentiates movements using dance theorist Rudolf Laban’s notion of quality.

LaViers also examines the basic poses and movements that define a style to quantify differences between genres of movement. What is the difference, for instance, between doing a disco dance and performing ballet? Using a computer program she developed for her thesis, she encodes that information so it can be reproduced on robots.

“Understanding how humans move is key to developing better techniques and applications to make robots move in a way that humans can relate to,” LaViers said. “Style” is part of this—particularly in the arts.”

Two weeks from opening night of DramaTech’s mainstage summer show, British-accented accusations fill the Ferst Center’s Dean James E. Dull Black Box Theatre. It’s nothing personal, just the belligerent bon mots of Corpse!, a comedic murder-mystery set in 1930s London.

Tech’s production of the Gerald Moon play costars Tamil Periasamy, AE ’07, and Erik Arndt, IE ’12, who rehearse a tense scene in T-shirts and jeans. Arndt pulls out a silver-barreled revolver; offstage, an air-filled plastic packaging bag is prepared to provide the critical “pop.”

“Don’t be a fool!” says Periasamy, unarmed.

Half a dozen young men and women, including DramaTech president Tejas Kotak (a fourth-year environmental engineering major) and director Devon Peet (a second-year computational media major), follow the script on laptops and tablets. After a choreographed scuffle, Peet interrupts to remind Arndt, playing the frantic Major Ambrose Powell: “Remember, you need to be aggravated so that your aggravated ulcer makes sense.”

Arndt adds a touch more agony to his line readings. “And what the hell does that mean?” he bellows in character.
“And what in God’s name does that mean,” corrects Kotak. 
Set designer Josh Mysona, ChBE 13, seated nearby, looks up from his math homework. “That’s the opposite,” he notes, idly clutching a plastic prop sword.

Three hours into practice, a muted cheer follows the final act. Right now the show lacks polish, but after a set-building party over the weekend, timing and choreography will tighten.

“This is definitely a learning theater,” says Kotak, who joined DramaTech as a freshman. “We allow for a lot of mistakes and experimentation.”

A technical institute with no fine arts program may seem an unlikely place to boast Atlanta’s oldest continuously operating theater company, dating back to 1947, but art director Melissa Foulger says Tech students’ STEM education is a boon for production.

“Scenic, sound and lighting design aligns well with architecture and mathematics. Prop design aligns with industrial design,” she says. However, “engineers sometimes like to over-engineer things. When I started, they sometimes built sets that could be permanent housing structures.”

Earlier this year, Foulger collaborated with Tech PhD candidate and digital media instructor Rebecca Rouse, along with students from one of Rouse’s courses, to stage a DramaTech adaptation of Haruki Murakami’s short-story collection *After the Quake* that used an Xbox Kinect motion-sensing device to enhance the storytelling.

“DramaTech is much more than a theatre—it’s also a classroom, and it’s also a research lab,” Rouse says. “I hope that in the future, this type of integration of pedagogy, artistic production and research will continue at DramaTech and across campus.”

Alumni maintain a presence in DramaTech, too. Periasamy joined the group as a senior to polish his public speaking skills. Now, six years and 23 productions later, he serves as official DramaTech historian, keeping in touch with alumni from decades past and collecting old programs and promotional articles from the *Technique*. The two master carpenters for this summer’s production are former students. And last season, alumni directed both the fall show and the spring musical.

*Corpses*! director Peet may even owe his existence to DramaTech: his parents met in the club during the late 1970s, back when shows were staged in an old church at Hemphill and Ferst. “We had a very low budget when I started,” says his father, Stephen Peet, ME 80. “Freshmen would help straighten out nails at the beginning of the quarter to be able to use them to build the sets.”

Stephanie Daigle, CM 09, heads Friends of DramaTech, an alumni group. Getting involved is as easy as showing up, she says. “Go to the door and ring the doorbell,” she says. “Someone will come and open the door.”

And don’t mind the raucous repartee—it’s all part of the act.
Grand Challenges Tackles Big Issues

Emily Takagi is just starting year two on Tech’s campus, but she is already working to solve global issues such as hunger, energy and water sustainability.

The computer science major was among 110 freshmen who participated in the first class of the Grand Challenges Living Learning Community, which started last fall. Grand Challenges participants lived together in Howell Hall and worked in cross-disciplinary teams on 14 different projects that were all eventually awarded funding for execution by the Division of Student Affairs.

Each team selected a topic based on the group’s interests, then spent the spring semester diving into research and coming up with a plan to solve their grand challenge. Takagi’s team took on the challenge of simplifying the process of charging electric car batteries. As part of their research, they attended a community roundtable event hosted by Southface Transportation to meet with experts.

“We were able to talk to people in the transportation industry, professors from all over the area, and environmental issues advocates,” she said. “We even got a couple of people who were experts on electric vehicles.”

At the end of the spring semester, the teams shared their proposals in formal presentations to Wes Wynens and Robert Butera, faculty members and codirectors of the program. Projects were awarded funding based on the budgets included in the teams’ final proposals.

The 2013-14 Grand Challenges class will include at least 80 incoming students who will work on a new set of projects, while about 75 members of this year’s community will continue to work on their Grand Challenges projects.

Takagi attributes her success during her freshman year to Grand Challenges.

“I really learned the meaning of time management and commitment to a group. The second semester involved a heavier workload, and trying to juggle group meetings, part-time jobs, and homework was difficult,” she said. “I don’t think I would have had such a great experience without Grand Challenges. Living in a community made me less timid about getting to know people and really helped me be more outgoing.”

Lauren Spikes
I really enjoyed the camaraderie and tradition at Georgia Tech. Coming back for my MBA has been one of the most rewarding experiences of my life. I am gaining knowledge in a wide variety of areas, from finance and operations to marketing and sustainability.

The program is unbeatable when it comes to the quality of professors, facilities, fellow students, and opportunities to make connections outside of class.”

Micah McLain
Evening MBA Candidate
Studio Manager, Ames Scullin O’Haire
BS, Industrial Design, Georgia Tech

Learn more at: www.back2tech.com
App Connects Artists, Collectors

A father's unfulfilled artistic ambitions inspire two Tech alumni brothers to build a new way for artists to sell their creations.

What is it? An app to find and buy art created by artists in your area. Who made it? James Lytle, ID 05, and Seth Lytle, IE 03. What inspired it? The brothers knew their father, Jim, had graduated with a fine arts degree—but a lack of opportunity to make money from his passion led him to a career as a plumber. The brothers wanted to use their technology skills to help connect artists with art lovers. Why is it game changing? The 99 cent app allows artists to post their work, which is then easily searchable, viewable and purchasable by consumers. It particularly connects artists with art lovers in their communities.
**BITPAY**

**What is it?** A processor for internet-only currency, including Bitcoin.  
**Who made it?** Bitpay CEO Tony Gallippi, ME 97, and CTO Stephen Pair, CS 94.  
**What inspired it?** Gallippi and Mantella saw the need to create a system to allow online retailers and vendors to accept online currency as payment.  
**Why is it game changing?** “Credit cards weren’t designed for the internet,” Gallippi said. Online currency transactions cost less than credit card transactions and cannot be reversed, which helps protect retailers in places known for credit card fraud.

---

**WATERPROOF PAPER**

**What is it?** Paper created at Georgia Tech with special cellulose fibers and a chemical coating that can repel a wide variety of liquids, including water and oil.  
**Who made it?** A team led by Dennis Hess, professor in the School of Chemical and Biomolecular Engineering.  
**What inspired it?** The lotus plant, the leaves of which are especially adept at repelling liquid.  
**Why is it game changing?** The paper could be used as the foundation for a new generation of inexpensive biomedical diagnostics in which liquid samples would flow along patterns printed on the paper using special hydrophobic ink and an ordinary desktop printer. It could also be used as a more cost-effective packaging material. Plus, it’s recyclable and sustainable.

---

**STRUCTURE SENSORS**

**What is it?** A small wireless sensor made of flexible polymer substrates.  
**Who made it?** Yang Wang, an assistant professor in the School of Civil and Environmental Engineering; Manos M. Tentzeris, a professor in the School of Electrical and Computer Engineering; and Roberto Leon, a former Georgia Tech professor who recently moved to Virginia Tech.  
**What inspired it?** “For many engineering structures, one of the most dangerous problems is the initiation of stress concentration and cracking, which is caused by overloading or inadequate design and can lead to collapse—as in the case of the I-35W bridge failure in Minneapolis in 2007,” Wang said. “Placing a ‘smart skin’ of sensors on structural members ... could provide early notification of potential trouble.”  
**Why is it game changing?** The sensors are low cost, require no power, can be implemented on tough yet flexible substrates and can identify problems at an early stage—potentially preventing future structural collapses and saving lives.
A portion of the proceeds collected from the transportation costs will be paid to the Georgia Tech Alumni Association.

Yellow Jackets on the Move

Another benefit from the Georgia Tech Alumni Association

**Preferential YELLOW JACKET treatment**

- Minimum of a 55% discount on all interstate relocations.
- Free Full-Value Coverage up to $50,000.
- 15% discount on all Georgia and Florida intrastate moves.
- Guaranteed on time pick-up and delivery.
- Personalized attention from start to finish.
- Top rated drivers will be assigned to all Yellow Jacket shipments.
- Sanitized air-ride vans.

Atlantic Relocation Systems/Interstate Agent for ATLAS VAN LINES
1909 Forge Street
Tucker, GA 30084

Contact Tom Larkins (The Ramblin’ Relocator) for details on this program
1-800-899-2527
or e-mail him at tom.larkins@atlanticrelocation.com

* A portion of the proceeds collected from the transportation costs will be paid to the Georgia Tech Alumni Association

UltimateDefender™
LEGAL PLAN

A NEW benefit for Georgia Tech Alumni Association

Chances are good that you’ll face a personal legal issue in the coming year. Maybe more than one. With the UltimateDefender legal plan from ARAG®, the help you need is just a phone call away.

To learn more and enroll:
Go to ARAGLegalCenter.com
(Enter Access Code 17925GTA) or call 800-535-1182.

Get real protection for real-life legal needs.

- Having a dispute with a contractor over your kitchen remodel?
- Want to fight a traffic ticket or go to small claims court?
- Want a professional to write or review a contract or other legal document?
- Need to create or update a Will, Trust or other estate planning documents?
- Need help with a creditor who mistakenly says you’re behind in your payments?

Limitations and exclusions apply. Insurance products are underwritten by ARAG Insurance Company of Des Moines, Iowa, GuideOne® Mutual Insurance Company of West Des Moines, Iowa or GuideOne Specialty Mutual Insurance Company of West Des Moines, Iowa. Service products are provided by ARAG Services, LLC. This material is for illustrative purposes only and is not a contract. For terms, benefits or exclusions, call 800-535-1182.

Vol89 No3 FCIB B-12-13.indd 24
8/13/13 12:00 AM
Tech Welcomes Brainiest Freshman Class Yet

A new crop of students will climb Freshman Hill for the first time this August, and though they’ll resemble their predecessors in many ways—they’ll be driven, creative, and they will look smashing in white and gold—they’re sure to impress in ways we can’t yet imagine. Here, a look at the next generation of Ramblin’ Wrecks.

1,739
Male Students

1,039
Female Students

3.95
Average High School GPA

2,778
students in the class

17,687
applications Tech received

7,257
number of students admitted

41.0%
admittance rate

2098
Average SAT Score

31
Average ACT Score

1,423
In State

976
Out of State

379
International
What do you see as the biggest challenges and opportunities ahead for the college? The opportunities flow from the marvelous vision and dedication of the highly talented people who already make up the College—our faculty, students and staff. The primary challenge is to work with government funding agencies, the private sector, foundations, our alumni and the wider community to help secure the high-caliber laboratory space, personnel and equipment necessary to ensure the potential of our faculty, students and staff is fulfilled.

What changes lie ahead? We expect that the life sciences will take on an even larger and more central role in the activities of the college. Particularly as we partner with the College of Engineering to establish programs in the spectacular new Engineered Biosystems Building, we’re expecting even more partnerships to take root. Teaching, and how best to do it, is the subject of a great deal of fascinating discussion and inquiry right now, triggered by the arrival of MOOCs. One thing I think we can be sure of is that our teaching will end up being improved by the process.

What are your aspirations as dean? We’re passionate about science and mathematics, and we want it to be attractive and accessible to the largest pool possible. Also very important is fostering greater interactivity and a stronger sense of community within the College. Increasing diversity in all its forms across the faculty, students and staff is an important goal.

Was it a difficult decision to transition into a leadership role? I can’t say it was. I’m honored to have the opportunity and grateful for it. I’m coming in from positions that required balancing research and leadership. So, whilst there will surely be a multitude of new issues for me to learn about and come to grips with as dean, I am pretty used to balancing competing demands. Georgia Tech expects its leaders to be research active, and I wouldn’t want it any other way.

Much of your research is in the area of nanostructures. How do you think developments in that area will impact our lives in the decades to come? I suspect the impact of development in nanostructures and nanomachinery will be as vast and unpredictable as the worldwide web’s impact has been over the past 30 years or so. After all, the nanoworld is precisely the arena where engineering ideas meet atomic structure. The nanoworld is already a familiar place to operate for much of the College of Sciences, including large swathes of physics and chemistry as well as those of us fascinated with the machinery of life in the biological sciences.
You wrote *Mathematics for Physics: A Guided Tour for Graduate Students*. What are some of the can’t-miss sights on that tour? I’m fond of the chapter on the calculus of variations, as it reminds me of the thrill of my first encounter with this beautiful and useful subject, which I owe to a dedicated teacher who went off syllabus just because he thought I’d enjoy the vista. I’m also fond of the subject of Green functions, partly because I like concepts that help unify a range of ideas and partly because of the astonishing story of their originator, George Green (1793-1841), miller and self-taught mathematician and physicist, who was nearly 40 when he began his undergraduate studies at my alma mater, Gonville and Caius College, Cambridge.

What’s your favorite place on Tech’s campus? It’s a special space we’ve recently had renovated within the Howey Physics Building called The Imaginarium. It’s a purpose-built space—with walls covered in black and white boards and several large round tables—for small groups of faculty and research students to gather in to wrestle with research ideas and undertake collaborations. It’s not associated with any one group; it’s everybody’s. Its message is this: Here’s a space for you to strive to create new knowledge.

If you could meet one scientist, living or dead, who would it be and what would you ask him or her? Even 10 would be a struggle, so how about four? Alan Turing, Emmy Noether, Edwin Hubble and Ludwig Boltzmann. To each I would ask: How did you unshackle yourself from the ideas of your time and reach beyond specifics to grasp general principles?

You’ve mentioned having a house cluttered with books. What are you reading now? Where Wizards Stay Up Late, Katie Hafner’s captivating swoop through the dawning of the internet revolution; Tony Zee’s *Quantum Field Theory in a Nutshell*, which gives warmth and meaning to the abstruse language we use to describe quarks, gluons and other subnuclear particles and force mediators; and Atlanta native Taylor Branch’s monumental trilogy *America in the King Years*—a must read.

You grew up drumming for “pretty awful” bands. Have you given up on your rock ‘n’ roll dreams? Fortunately for my Atlanta neighbors, my percussive passions have morphed from the rock kit to the djembe, a hand drum that originated in West Africa. It’s said that the name “djembe” is associated with gathering together—what an attractive metaphor for the College of Sciences! ▲
Head in the Books

To borrow a line from Walt Whitman: Karen Head contains multitudes. The assistant professor in the School of Literature, Media and Communication is also director of the Institute’s Communication Center and a thrice-published poet—plus, she spent the past year developing, implementing and analyzing one of the first freshman composition MOOCs. For a while, she had nearly as many offices as job descriptions. Since 2011, though, Head has been headquartered in an office within the Communication Center’s spacious suite on the third floor of Clough Commons, where tutors hold (one-on-one, free, confidential) sessions on paper writing, public speaking, video conferencing and more. And it’s not just for struggling students. “We’re here,” she says, “to help our really amazing students succeed even more.”
Head snatched this example of “visual rhetoric” from Piedmont Hospital after her father had heart surgery a few years back. Designed by nurses, it’s instructive (doctors use the heart illustration to outline surgical procedures) as well as practical (patients use the pillow to protect their sutures while standing, coughing or riding in cars). “It’s a brilliant piece of technology design,” Head says.

In 2008, Head garnered the unlikely distinction of teaching Tech’s first all-female course, a class on Jane Austen. She wrote her undergraduate thesis on the British novelist, and in grad school toyed with the idea of becoming an Austen scholar. This *Pride & Prejudice*-themed board game was a gift; its board and pieces are fully intact.

“I really want to have more student art in the center as a whole,” she says. “Ben Townsend, one of our peer tutors, did these pieces, and I purchased them at the end of the term. I love art—I would never want to be in a space that didn’t have art.”

One downside of her new Clough office: no window. Head’s former digs, in the Skiles building, overlooked a huge gingko tree. “I miss that tree so much, so I bought this [mobile] at the Inman Park Festival,” she says. “I was like, ‘Well, I gotta bring the gingko here if I can’t plant one.’”

The bookshelves provided under the Clough building’s original furniture plan weren’t heavy-duty enough for Head’s many tomes, so she went rogue at Ikea. “I mean, I’m humanities research faculty. I have a lot of books,” she says. “This doesn’t even begin to cover it. They should see my house.”
Colson Sets Up Jackets for Success

Senior setter Kayleigh Colson ranked second in the ACC in assists last season with a whopping 10.53 per set. Skilled as a server as well, the Austin, Texas, native will play a key role for the volleyball team this fall.

Why did you come to Tech? The deciding factor was the family-like atmosphere. I knew that if I was going to be going off to school out of state that I was going to need a good support system around me. I could tell on my official visit that the team was super close knit, and the coaches were there for the players. I didn’t find that anywhere else.

What’s your favorite memory with the Yellow Jackets? One of my favorite moments was starting my first game against Duke and also registering my first official sack.

What hobbies do you have outside of volleyball? I like to spend time with friends either by the pool, watching movies or going to explore Atlanta and finding new places to eat and shop. But, even though I don’t do it often, I love to paint. A few of my teammates like to paint too, so every so often we get together in someone’s living room and paint canvases.

What’s the most interesting class you’ve taken? Advertising and Promotions—it was really interesting to see how ads and commercials are used to reach consumers and how they impact a company’s image.

What’s your favorite movie? Sweet Home Alabama. I am a sucker for cute romantic comedies.

Favorite music? I enjoy a lot of different types of music, from rap to techno to oldies. Maybe it is my Texan roots, but my favorite is country music, and I could never get tired of listening to it.
THE SWARM IS COMING

REIGNING ACC COASTAL AND SUN BOWL CHAMPIONS

2013 HOME OPPONENTS

RAMBLINWRECK.COM 888.TECH.TIX
The Institute’s new Sports, Society and Technology program studies the science and culture of athletics.

When Jillian Broaddus spotted a campus flyer for a course entitled “Foundations of Sports Studies,” the third-year science, technology and culture major’s interest was piqued. And a short conversation with the class’ professor, Johnny Smith, confirmed she’d discovered a diamond in the rough.

Broaddus found the full sports spectrum laid out in front of her. The course gave an overview of sports history and an introduction to the sports industry, including management, economics, psychology and technology. Guest speakers included Frank Wren, general manager of the Atlanta Braves.

Foundations of Sports Studies, which Broaddus calls “undoubtedly the most unique and enjoyable class I have taken at Georgia Tech,” was one of 11 courses offered in the 2012-13 academic year as part of Tech’s first major step toward a full-flanked Sports, Society, and Technology program, said John L. Tone, associate dean of undergraduate studies for the Ivan Allen College.

The program came about after several Tech leaders recognized an opportunity to create something that didn’t exist anywhere else. Tone said other universities’ academic sports programs typically took one of three approaches: sports medicine, sports management or sports studies. With a more comprehensive approach, he thought, Tech could distinguish itself.

“It became clear to me, speaking to people around the world, that the program needed to [include liberal arts studies] plus science and engineering to make it a Georgia Tech program,” Tone said.

Smith, an assistant professor of history and one of two initial hires to develop the SST program, noted the prominent role science and technology now plays in major professional sports—highlighted by innovations like advanced safety technology and super-lightweight athletic gear, and the rise of sports analytics.

“It’s all about specialized training and thinking about sports in a way that they haven’t [been thought about] before,” Smith said.

The Ivan Allen College plans to introduce an SST minor in the coming year. The fledgling program has long been a dream of former Tech athletic director Homer Rice, namesake of the new Homer Rice Chair of Sports and Society.

Tone said the program is also looking to develop internships and capstone courses that will position students for job opportunities throughout the multibillion dollar sports industry. And while there is no timeline for developing a full SST major, neither Tone nor Smith are ruling it out.

“We have to create more awareness among the students, the faculty and staff, and our alumni,” Smith said. “If I’ve learned anything, it’s that when people learn about this program, they get excited. We see this as a collaborative effort, and we hope other people will get excited and want to help.”
Continue Your Georgia Tech Tradition

At every point on your continuum of learning.

Who We Are
Since 1908, Georgia Tech has offered practical professional education to working adults. Our flexible and convenient courses, certificates and degree programs help you continue learning from your alma mater.

Why It Matters
We believe in lifelong learning. Our training enables alumni to gain skills to help build strong careers – and increase the value of your connection with Georgia Tech.

Where We Are
Learn in Atlanta, Savannah and beyond, in more than 40 locations, at your worksite and online. Our programs reached more than 27,000 individuals and 3,100 companies in 2011.

Join Our Online Community

www.gtpe.gatech.edu/alumni
The career of Pat Moriarty, IM 77, has come full circle. He went from playing pro football with the Cleveland Browns to working in the banking industry for Society Management Services Company, only to end up back in the NFL. As senior vice president of football administration for the Super Bowl champion Baltimore Ravens—and one of the NFL’s first “capologists”—Moriarty is the go-to guy when it comes to navigating the complexities of the salary cap, the byzantine system that governs how much money teams can spend on players.

What is your day-to-day life like with the Ravens? My background was in banking, so I’ve done a lot of work on the financial side. There’s dealing with contract negotiations and all other kinds of labor issues that arise. I also act as the chief liaison between the club and the NFL management council. I went back and got my law degree at the University of Baltimore, as a lot of what I do on a day-to-day basis revolves around labor. And I went to John Carroll [University] in Cleveland to get my MBA.

How did your time at Tech help prepare you for your career? I was an industrial management major, so the education I received directly helped with respect to my overall understanding of how business works. Also, the fact that I played football and met so many great people—like Bobby Dodd, Pepper Rodgers, Jerry Glanville and Dick Bestwick—was a tremendous help.

What advice would you give to someone who wants to end up in a pro sports front office? Be as flexible as you can possibly be. Do almost anything that you can, because there are only so many opportunities for entry-level positions with teams. Also, it’s important to get as much education as you can. Teams are looking for problem solvers, those with good communication and analytical skills. We’re no different than other companies. We just happen to be in the business of sports.
Lean Six Sigma at Georgia Tech

Want to improve customer satisfaction and save money through increased efficiency?

For the first time, our Lean Six Sigma Green Belt Certification is being offered in two locations: Atlanta and Savannah.

Earn Lean Six Sigma Green Belt Certification by signing up for one of these sessions in 2013.

- **June 10-14, 2013**
  - Atlanta
- **Sept. 9-13, 2013**
  - Atlanta
- **Oct. 14-18, 2013**
  - Savannah
- **Oct. 21-25, 2013**
  - Atlanta

**PROGRAM FACULTY**

Lee Campe is an experienced Six Sigma instructor with a wide array of expertise in all facets of business. Campe is a true practitioner of Six Sigma, deploying Six Sigma in a wide variety of business environments, including sales, human resources, marketing, finance, information management and manufacturing. He is a Master Black Belt and has worked for GE, Johnson & Johnson, JP Morgan Chase and The Home Depot.

Six Sigma problem-solving and customer-focused management principles can be applied across the service and manufacturing industries.

- Learn to make decisions based on data, not hunch and intuition.
- Discover a set of common measurements that apply to business and production processes.
- Increase your value as an employee by learning to look at every process in your organization through a different lens.

“The instructor was engaging and able to associate material to practical examples.”

– CAROL ALLEN
  
  Vice President of Operations and Chief Operating Officer
  
  Georgia Medical Care Foundation

Visit [gtlean6sigma.com](http://gtlean6sigma.com) for more information or to register.

Georgia Tech Alumni

Save 15%
The Buzz Racing Stroller

Ramblin’ Wrecks unite to design new vehicle for disabled racers.

In 2012, Andrea Leber and her son, Marc, who had just been accepted as a Georgia Tech student, were taking part in the Wicked 10K race in Virginia Beach as part of Team Hoyt, a group of runners who push disabled participants in three-wheeled “strollers.” Thanks to a stiff breeze, though, they found themselves struggling to keep their balance and finish the race. So Andrea and Marc, along with local engineer Tom Meree, NE 79, set out to improve the design.

The two major challenges were building a lightweight vehicle and a runner-controlled steering system. Andrea and Marc (now a first-year biomedical engineering major) used physics to determine what length and thickness of aluminum tubing would be strong enough to hold the rider, yet light enough to push easily. Andrea and a volunteer welder built the frame in one day.

The attachment for the rider’s chair is a special sliding bracket forged out of aluminum repurposed from a wheelchair. This enables the chair to be adjusted to the weight of the rider; the back wheels and seat bottom are also adjustable. A mesh seat sewn out of a material used to build hand cycle seat covers was strapped to the frame.

Steering is controlled by two hand-brake-style fixtures mounted on the pushing bar. Squeezing one handle or the other shortens a cable and moves the wheel.

Seat belts like those used in sand buggies, wheel covers made out of plastic chicken wire, and foot rests recycled from a wheelchair were attached.

The new stroller—painted white and gold and dubbed “Yellow Jacket”—entered its first race, the Shamrock 8K, in March. Pushed by Andrea, Yellow Jacket was the first stroller to finish. The time was a full minute faster per mile than the previous stroller design. The new stroller has now been run in more than 10 races, and Andrea, Marc and their riders have won their age groups and even some races.

With the help of donations, more strollers are expected to give more riders the same speedy experience. Two additional “Yellow Jackets” are under construction.

Have a Tech Hack of your own to share? Send details to Editor, Georgia Tech Alumni Magazine, 190 North Ave. NW, Atlanta, GA 30313, or publications@gtalumni.org. Entries will be selected for publication in the magazine and at gtalumnimag.com.
Do you have a degree in a science, engineering, or technology field? Have you considered teaching middle or high school? With the nationwide shortage of science teachers, prospective teachers with STEM undergraduate degrees are in very high demand.

Kennesaw State University, in partnership with the Georgia Institute of Technology and through an award from the National Science Foundation, has created the I-IMPACT Noyce II program designed to recruit talented STEM professionals into physics and chemistry teaching careers.

Selected applicants will receive annual $10,000 stipends during the five-year program, totaling $50,000 per participant. Additional funds are available for graduate tuition, professional development activities, memberships in professional organizations, travel, and supplies for classroom activities.

For more information, email iimpact@kennesaw.edu, and to apply, complete the online application at www.GANoyceScholars.org.
Are video games art? The question is simple enough, but it has sparked plenty of long-winded diatribes and gnashing of teeth from those on each side. Here, an artist alumnus and a Tech faculty member weigh in on the debate.

Sure, Why Not?

Mark Dennard, Arch 97, MS IDT ’99

Someone challenges me: “Are video games art? You must have an opinion about this!” My skedaddle instinct starts to kick in. The question has the feel of a political wedge issue—a little trumped up, and possibly unanswerable, but it does keep the conversation going.

All new artistic media are interrogated at first. Photography, film and video have all gotten the “is it art?” treatment. Hell, artists themselves have long questioned if art is really “art.” In 1917, when Marcel Duchamp placed a urinal in a gallery and titled it “Fountain,” he questioned the context of art and the retinal experience of aesthetics. It was a radical statement of skepticism regarding traditional art at the time, and implied that art is more than aesthetic, more than entertainment. Art can be political, theological or moral.

What we think of as art today is about 400 years old and has evolved in that time. There is no ultimate standard by which one may designate something as art. No Platonic ideal of art, if you will. On the contrary, Plato thought that art was all illusion and should be censored. He liked artists even less, a wretched hive of scum and villainy.

The point is that what we choose to call art is culturally constructed. Its form and meaning are fluid and depend upon the context in which we live and our personal relationship to it. It creates us as much as we create it.

So there are other, better questions to ask. What status would the term “art” confer upon video games? What value could video games, as art, bring to our culture and our lives? Today they are viewed as entertainment, but they are a young medium. They can be more than that. They can be political, theological or moral, and can contend with the fullness of life. So when asked: “Are video games art?” I have to shrug and say, “Sure, why not?”

Mark Dennard is an artist and user experience director with a long-held interest in art history and digital aesthetics.
Yes, and More

This summer, Georgia Tech partnered with the Museum of Design Atlanta on “XYZ: Alternative Voices in Game Design,” an exhibition celebrating women’s contributions to game design. The show features 40 games in which women have had significant creative participation.

We are used to thinking of games in terms of very narrow genres of the mainstream game industry, which tend to be focused on a young male market, with game mechanics that principally revolve around action and violence. Part of what this exhibit demonstrates is the expressive potential of games to embrace a wider range of emotions and narratives. The quality of agency that is unique to games—the ability of players to actually have a role in what is happening on the screen—opens up the opportunity for new forms of expression. If a player is engaged in an active way in a personal story, or a political struggle, they can internalize and understand it in a different way.

For instance, the exhibit includes several documentary and activist games, such as Career Moves, a board game by artist Mary Flanagan about the glass ceilings that women face in the IT industry. We have two games that put the player in the role of a transgendered woman, exemplifying the unique ability of games to convey empathy. Games also can be lyrical and poetic. The board game installation Train, by Brenda Romero (also known as Brathwaite) explores culpability and conformity, while Belgian game developer Tale of Tales’ The Path provides a poetic and metaphorical exploration of female adolescence and coming of age through a reimagining of Little Red Riding Hood. We even have a game about spiritual enlightenment, The Night Journey, a collaboration between media artist Bill Viola and Tracy Fullerton.

The context of the Museum of Design Atlanta is particularly interesting to us because it connects game design to the broader context of design. MODA’s Executive Director Laura Flusche was intrigued by this show because it captures the museum’s mission to explore the intersection of design and creativity. Part of what we hope to accomplish is to surprise visitors, challenging them about how they traditionally think of games.

Celia Pearce is an associate professor of digital media and directs the Experimental Game Lab and the Emergent Game group. She is also a writer, game designer and the co-founder of IndieCade, the international festival of independent games.
Recent books penned by members of the Georgia Tech community.

**Sublimation**
W. M. Goldberger, ChE 50

A reporter investigates the murder of a research scientist tangled up in international intrigue in this novel exploring technology’s darker side.

**Go Outside and Come Back Better: Benefits from Nature That Everyone Should Know**
Ron Lizzi, EE 86

An inspirational travel essay woven through 160 color photos from all 50 states, it showcases nature’s power to improve lives.

**The Alpha Paradox**
Jeffrey King, Phd EnvE 99

A marine patrol officer and a graduate student forge a unique friendship while investigating a mysterious environmental pandemic on the South Georgia coast.

**Emeralds of the Alhambra**
John Cressler, Phys 84

The latest book by Cressler, a professor of electrical and computer engineering at Tech, is an interfaith love story set in 14th century Spain.

---

**Are you an author?** Send details about your book and a cover image to Editor, *Georgia Tech Alumni Magazine*, 190 North Ave. NW, Atlanta, GA 30313, or publications@gtalumni.org. Entries will be selected to appear in the magazine and at gtalumnimag.com.
Get your feet wet, give your apartment a quick facelift, or donate to your alumni organization...whatever moves you most.

As a Georgia Tech alumni, you could save up to $427.96* on your auto insurance with Liberty Mutual. You could also enjoy valuable discounts tailored to the way you live today and save even more by insuring your home as well.

Responsibility. What’s your policy?

This organization receives financial support for allowing Liberty Mutual to offer this auto and home insurance program.

*Discounts are available where state laws and regulations allow, and may vary by state. To the extent permitted by law, applicants are individually underwritten; not all applicants may qualify. Figure reflects average national savings for customers who switched to Liberty Mutual's group auto and home program. Based on data collected between 1/1/2012 and 6/30/2012. Individual premiums and savings will vary. Coverage provided and underwritten by Liberty Mutual Insurance and its affiliates, 175 Berkeley Street, Boston, MA. © 2013 Liberty Mutual Insurance.
Big Screen Dreams

Jessica Luza, STC 07, was an actress long before she became a Ramblin’ Wreck. Growing up in Smyra, Ga., she caught the showbiz bug early, appearing in commercials and TV movies as a teenager. Since getting out, she has appeared in TV shows including House M.D., Necessary Roughness and Men at Work. On the heels of wrapping her first role in a studio feature, she gave the Alumni Magazine a glimpse into the life of an aspiring star.

Hearing the call From a very young age, I loved performing for a crowd of imaginary friends in my backyard and begged my parents to let me be on a show like Full House. I identified with the kids I was watching on screen. They looked like they were having so much fun, and I wanted to be a part of it. My mom helped me to get my first agent when I was in the third or fourth grade, but then I had braces until the fifth grade, so that really put a damper on my dreams of child stardom. The day I got my braces removed, I wrote letters to a few local Atlanta agencies and got signed. I booked my first commercial the following year.

Drawn to Tech I got accepted to UGA for broadcast journalism but was drawn to the reputation, academia and location of Georgia Tech. I took as many film and media studies classes as possible and participated in DramaTech productions. Dissecting literature and writing papers helped to create a foundation similar to that needed when I dissect a script and write a character backstory.

Schedule My work schedule is extremely unpredictable and forces me to be very flexible. Acting is a full-time job, but a job that you don’t always get paid for. I could have three auditions in a week and spend 3-4 hours prepping for each one, then driving to and from the auditions in L.A.

An average day on set Set hours can be up to 15-hour workdays and can be very fast paced or very laid back, depending on the production. Whenever your call time on set is, you show up, check in with a production assistant, head to your trailer or room, get dressed in your designated character’s wardrobe, and head to hair and makeup. If you are in the first scene, you will head to set when you and production are ready and start blocking and then shooting. There is always lots of down time between scenes for lighting and camera setup, so I always bring a bag with a book, my laptop or iPad, phone charger and sometimes a pillow or blanket if it’s going to be a night shoot or long day. Scenes are generally shot multiple times and from different camera angles.

Know a Ramblin’ Wreck with a fascinating job? Tell us all about their interesting career at publications@gtalumni.org.

Sometimes a scene can take many takes, and sometimes the director will get what he needs after just two or three.

Tools of the trade Flexibility is very important. Determination is key, because in my field there’s more competition than most. Cell phone, email, printer, highlighters, GPS, iPad, headshots and resumes, Dropbox, Yousendit—these are all things that I need. My iPad is crucial. I try to read as many scripts as possible to stay informed about what is selling and being made. My GPS and car are also things I could not live without. Much of my days are spent driving to and from auditions.

Near miss I had an experience being on the cutting room floor last year. I was hired as a potentially recurring character on the Kevin Bacon thriller The Following for Fox. The show got picked up, and when my episode aired all of my lines had been cut. That was a huge bummer, because how can a character be recurring if they are never established? Sometimes you think one role is going to give you some buzz and star power and help catapult you to larger roles, and then the role just disappears.

Career goals I want to be a series regular on a half-hour multi-cam sitcom, but I also want to guest star or recur on a darker and edgier more character-driven dramatic series. I would prefer to make audiences laugh than cry, but I really admire and enjoy a lot of the dramatic shows out there now. I aspire to be in movies as well and actually just shot my first studio feature last week here in Atlanta. It is called Let’s Be Cops and will be in theaters nationwide next spring.
A NEW INSTITUTE-WIDE INITIATIVE AIMS TO FOSTER TECH’S CREATIVE SIDE—AND TURN OUT SHARPER, HAPPIER, MORE COMPETITIVE RAMBLIN’ WRECKS IN THE PROCESS.
by

RACHAEL MADDOX

art by CHRIS BILHEIMER
The hulking piece—an amalgam of stout spires laced together with what resembled giant, ruddy, undulating lasagna noodles—hung just above a base on the green grass below, a metal plate bearing two pegs that needed to be precisely fitted into corresponding slots on the underside of the forged behemoth. The jig lift’s arm raised, then lowered, then raised, then lowered, the men grunting and shouting directions. Finally the arm slowly dipped once more, the piece sank down upon the plate, and the men heaved and barked and strained to shimmy it into place. The metal surfaces ground against each other, then locked together. The nylon straps were removed; the jig lift beeped away.

This brutally elegant mass of steel, otherwise known as “Portal,” is a piece by Albert Paley, the modernist American sculptor whose work also can be seen at the Metropolitan Museum of Art in New York and the National Cathedral in Washington, D.C. “Portal,” along with 14 other pieces, was installed on campus over the summer, composing Engineered Art, a traveling international collection that has come to live at Georgia Tech until at least 2014. Curated by Chattanooga, Tenn.,-based sculptor John Henry, who personally toured campus to select the ideal spot for each piece (including his own sky-scrapping “La Tour”), the exhibit is an outward manifestation of a recently sparked effort to broadly and actively engage the Georgia Tech community’s creative side.

Arts@Tech, as the initiative is being called, has been in the works for about two years and should officially launch this fall. Not that Tech students haven’t been making room on campus for artistic pursuits for years now—among many others, DramaTech, the Glee Club and Erato, Tech’s undergrad arts and literature magazine, are all testaments to that. But, historically, arts-related activity on campus has been more bottom-up than top-down. Until now.

“The process of creativity in the arts is very related and very similar to creativity in design [and engineering],” says Rafael Bras, Tech’s provost and executive vice president for academic affairs. “But the Institute had never really stepped out and tried to engage all forms of art as an inherent part of our education.”
he Arts@Tech initiative got its start in 2009 during the development of the Institute’s Strategic Plan. “I felt strongly that the arts and science and engineering have a lot of intersections,” says Bras, who dispatched an arts task force during the strategic planning process. “Many of our students not only appreciate and participate in the arts, but it would help them in their engineering and science as well as in everything else we do.”

Based on the recommendation of his task force, one of Bras’ first actions was to reassess the role of the Ferst Center. Since 1992, the stage has hosted productions by national touring artists, local companies and students alike—but its resources have been entirely focused on the performing arts. Earlier this year, when George Thompson announced he was stepping down as director of the Ferst Center, Bras took the opportunity to redefine what the position would mean for a new hire. The Office of the Ferst Center was recast as the Office of the Arts and will promote and facilitate arts partnerships on campus.

On campus, too, there is now the Council of the Arts, chaired by Aaron Bobick, a professor in the School of Interactive Computing. And Bras spent the summer developing the Georgia Tech Arts Advisory Board, comprising 50 to 60 alumni and friends, including Richard, IE 56, and Margaret Guthman, Hon 12, benefactors of Tech’s Guthman Musical Instrument Competition.

Most elements of the Initiative were still coalescing during the 2012-13 academic year, but campus life has already felt the ripples. In February, Clough Commons hosted its second-annual Art Crawl, featuring the work of more than 140 students. And in April, the Office of the Arts hosted the first TechArts festival, a two-day event that literally and figuratively provided platforms for creative groups from across campus to showcase their members’ work. The Guthman Competition, now in its fifth year, was the festival’s keystone event, but the schedule also featured student poetry readings, performances from student bands, human-and-robot dance ensembles and other exhibitions from student art organizations.

Cont. on pg. 50
The newly-installed Engineered Art sculpture exhibit added 15 new works of art to Tech’s campus landscape, but other pieces have been delighting and challenging the community for years.
Campus Art Locations

1. “Crown” (painted steel), Doug Schatz, CRC entrance

2. “Cinch” (steel), Adam Garey, outside Whitehead building

3. “Cross of Steles” (steel and granite), Hartmut Stielow, Instructional Center lawn

4. “Renegade” (rubber tire and stainless steel), Chakaia Booker, Boggs-Student Center parking deck

5. “La Tour” (painted steel), John Henry, Instructional Center lawn

6. “Ovation” (marble)*, Barbara Rowlett-Rheingrover, Ferst Center for the Arts entrance

7. “Tic” (steel, glass and neon), STRETCH, Tech Green West

8. “Mercury, Venus, Mars” (granite, steel and wood), Peter Lundberg, Boggs-Student Center parking deck

9. “Spirit of Tech” (stained glass window)*, Stamps Student Center Commons

10. Kessler Campanile * Richard Hill, Wenn Student Center

11. “Scetch II” (steel), Klaus Duschat, Biotech quad

12. Untitled (relief)*, Julian Harris, College of Architecture building

13. “King of Flying” (stainless and milled steel), Klaus Albert, Tech Green (north end)

14. Untitled (granite, steel and wood), Terrence Karpowicz, Tech Green (west)

15. “Spirut” (painted steel), John Clement, Tech Walkway triangle

16. “Oh’d” (galvanized steel), Bret Price, Tech Green (north end)

17. “Portal” (Corten steel), Albert Paley, Tech Green (north end)

18. “Tux” (stainless steel), Isaac Duncan III, Tech Green (north-end)


20. Untitled (stained glass window)*, Julian Harris, Brittain Dining Hall

21. Chandeliers (blown glass)*, Dale Chihuly, Scheller College of Business atrium

* denotes existing artwork
“What the Office of the Arts and the Council of the Arts can do is provide services if they want them—to coordinate. When we have a festival, for example, we can call on the different groups: ‘Do you want to be part of this?’”

It will be more than just networking: All members of the external advisory board will pledge to make a financial contribution, in addition to donations of time, contacts and other resources. Some of the money may be opened up to student proposals, like an on-campus National Endowment for the Arts.

Arts@Tech is supported by funds from the Strategic Plan budget, and despite some student complaints about tuition hikes financing funky sculpture, the Engineered Art collection resides at Tech on loan, cost-free.

Steve Chaddick, EE 74, MS EE 82, a mentor capitalist, serves on the boards of Atlanta’s Alliance Theater and Woodruff Arts Center and has been helping Bras assemble patrons for the advisory board. When he was an undergrad, he remembers, there wasn’t much in the way of art on campus. “DramaTech existed, I guess, and there was some music,” says Chaddick, who’s also the chair of the Alumni Association. “But it was pretty minimal. In terms of visual art around campus, it was even more minimal.”

Even without Arts@Tech, the arts scene at Tech is more active now than ever before; since Chaddick’s days, more and more student groups have stepped in to fill the void themselves. But the world beyond North Avenue has changed over the past four decades, too, lending further urgency to the need to actively foster creativity on campus.

“Forty years ago, the analytical part of engineering was extremely important because we didn’t have computerized design tools—you had to do it by hand,” Chaddick says. “[But] today, somebody with a little training and a CAD program can do better work, faster and for less money. So you’ve got to find different ways to add value. That, to me, is why exposing students to the creative process through art is really valuable as an educational tool, not just an environmentally enriching tool.”

Bras concurs. “Arts@Tech, in my opinion, should become a ubiquitous way of life and thinking,” he says. “We are a university with a clear mission of science and engineering. We are broad spectrum, but everything we do revolves around that. We’re not going to give degrees in art anytime soon, nor do we want to do that. But clearly the arts are part of our personal lives and our educational process, and I think a very integral part to making science, engineering and everything that revolves around science and technology better.”

And it’s not just students that stand to benefit from the increased arts focus. Bras notes that some faculty and staff have been nagging at him to let them enter next year’s Art
Crawl, which has so far been students-only. This year at the TechArts festival, a group of four poets—Blake LeLand, JC Reilly, Bob Wood and Karen Head, faculty and staff from the School of Literature, Media and Communication—read from their collaborative book-in-progress, to be published this fall by Poetry Atlanta Press.

Head, who has published three books of her own poetry, is excited about Tech's move toward a more artful campus life. "Art teaches people to take risks. Our students are bright and they are motivated, but they're not especially risk-takers. They want to know what they have to do to be successful, and they want to do that," she says. "That's what I'm hoping that the focus on arts will change in our culture here at Tech—that it will bring out creative thinking. It's going to make students better risk-takers, it's going to make them think outside the box, because that's how you change the world."

Even for those too busy to pause, the effect lingers. "People take it in," she says, "even if they don't realize they're taking it in."

Head, who attended grad school at the University of Nebraska, where a multi-acre sculpture garden displays more than 30 works by renowned artists, was especially thrilled by the installation of Engineered Art this summer: "I stopped and said, 'I've really missed that! Wow! Yeah, that's great. Can we keep that?'"

Bras, who admits some chagrin at his personal lack of artistic talent, also has been stopped in his tracks by the campus landscape's new additions. His favorite is Doug Schatz's "Crown," a circle of red-orange painted steel spikes that appear to be shooting up out of the lawn in front of the Campus Recreation Center. "I look at that and I think it was made for that spot," he says. He's less a fan of "Squirt," the large orange curlicue that rests on the lawn between the Stamps Student Center and the Skiles Classroom Building, but he knows his dissent is half the point. "I want three students standing in front of that, looking, and somebody saying, 'I like it' and somebody else saying 'I don't like it.' Does it have a meaning? I don't know. I have no idea. Maybe not. It doesn't matter."

“What I enjoy,” he says, “are the conversations.”

“[ART IS] GOING TO MAKE STUDENTS BETTER RISK-TAKERS, IT’S GOING TO MAKE THEM THINK OUTSIDE THE BOX, BECAUSE THAT’S HOW YOU CHANGE THE WORLD.”

Steve Chaddick
Alex West, CM 06, is making a splash in Atlanta with community arts center WonderRoot.

STORY BY OSAYI ENDOLYN
PHOTOS BY JOSH MEISTER
More than a decade has passed since Alex West was a freshman at Georgia Tech, but he still remembers the ingredients of a successful Friday night: Gather up a few friends with a little cash to spare, collect day-old bread from Atlanta Bread Company, then stop by Kroger for sliced turkey, cigarettes and juice boxes.

Assembly-line style, West and friends would divvy up one sandwich, one cig, one carton of juice and $1 into each of a hundred or so brown paper bags. Then they’d wait until about 2 a.m., till the homeless shelters had closed, and head to the places most folks avoid after dark. There, the friends would seek out those who didn’t have a bed for the night and hand each a paper bag, till the bags ran out.

“We’d sit down and talk to them, ask them, ‘Who are you? Why are you here?’” West says. “We met musicians, poets. We met people who once had decent jobs but then some unfortunate event happened.”

Even as the bag drops continued, West realized that snacks and conversation would never be enough to overcome the problem of homelessness. Still, he and his friends—Chris Appleton and Witt Wisebram, guys he’d known since childhood—wanted to do something with a broad impact. The trio would hole up at a café, downing Turkish coffee and scheming up ways to save the world. And they kept circling one idea: the power of art. “Whether it’s a painting, a film, music or a book, if you can find the medium, you can inspire people to be better,” West says. “And I wanted to make Atlanta better.”

During one of those coffee-fueled conversations, West, Appleton and Wisebram landed on the idea of a grassroots community arts center that would focus on effecting social change through art. It would equip Atlantans with the skills and resources needed to creatively communicate with and engage with the city at large; it would be a place where established artists could work and teach, where newcomers could find their medium and hone their skills, and where performers and audiences could connect. Called WonderRoot, it could make Atlanta—maybe even the world—a better place.

But a big question loomed: Would it work?
The WonderRoot building offers office and studio space and performance venues for Atlanta’s creative community.
At first, WonderRoot’s prospects were iffy. West’s friends moved out of state for school: Appleton to Colorado, Wisebram to Massachusetts. But they kept in touch via phone calls and emails, developing WonderRoot in between attending classes and studying for exams. On semi-weekly conference calls, they brainstormed programming and plotted fundraisers. “There were periods when we wouldn’t talk about it for a month,” West said, “but we thought about it every single day.” They needed $100,000 to find a physical home for WonderRoot and to hire staff, but after chasing down every lead they had, they’d amassed only about $30,000.

It would have been easy to write them off as crazy college kids with their heads in the clouds. But as they pressed forward with their plans, doubts began to fall away, and a steady momentum gathered. Friends helped spread the word, and when local artists caught wind of the developing organization, many volunteered to help. By 2004, Appleton and Wisebram were back in Atlanta, and though West was still a Tech undergrad, that year WonderRoot began facilitating arts education projects in the Atlanta public school system and supporting public art projects throughout the city. In 2005, a year and a half after the paperwork was submitted, WonderRoot received nonprofit status. It wasn’t just a big idea anymore—it was real.

“WonderRoot getting the 501(c)3 was probably one of my proudest moments,” West says. “I hadn’t even told my parents that we had started WonderRoot because I was afraid that my dad would [worry] that we were going to get sued, or that I was going to get killed being out in the street at 3 a.m. handing out sandwiches. But now it’s one of the things he loves telling people about: ‘My son started a nonprofit.’”
West grew up in North Atlanta, with doctors lining almost every branch of his family tree. His mom volunteered with several community organizations and often took him along; on one of those tag-along trips to a soup kitchen when West was in high school, a black man with dreadlocks approached him. “I was just completely intimidated, coming from a white neighborhood. He comes up to me and says, ‘Hey, penny for your thoughts?’ I had never heard that phrase before,” West says. “[But then] we had this amazing conversation. I don’t even remember what we talked about, but it was the first time I realized, ‘Man, going to a private school in Atlanta—there’s more to the world than that.’”

Some of West’s moxie he was born with, or at least developed at a very young age. The rest came from Georgia Tech. West was among the Institute’s inaugural class of computational media majors and helped to develop the curriculum. “We wanted students who wanted to do it all,” says Blair McIntyre, associate professor in the College of Computing, of the program’s first group of undergrads. “These were students who wanted to push the boundaries of media and creativity, and they wanted to do it themselves. You have to be brave. Alex was one of those students who wasn’t afraid to try things.”

The goal was to create a place where students who had technical ability could apply that skill to media and art. Classes involved building tools, creating content and coding. West thrived in the atmosphere, and his 2006 thesis won the President’s Undergraduate Research Award.

West’s Tech education has helped him find success in his work outside of WonderRoot: In 2008, he started Ontologic Solutions, a software development firm that creates automated products for businesses like St. Joseph’s Hospital and Cox Communications. Ontologic also releases products that seek to change the way legal documents are created and managed, improve how surgeons follow up with post-op patients and expedite the way art galleries manage their inventory, artists and clients. The latter was inspired by West’s wife, Emily, who manages an art gallery in Atlanta.

One project that West worked on while a student was *Four Angry Men*, an augmented reality story inspired by the film *12 Angry Men*. His team created a story with a white man who seemed to be a bigot, a black man who seemed to be angry, and a demure woman. Using augmented reality, participants then could choose a character and experience the story from his or her perspective. Then the user could switch roles, seeing the world from another point of view. The project reinforced West’s idea that art could make an impact. And now, through Tech, he had developed the skills he would need to take WonderRoot to the next level.

“There were countless times I was working on a school project and found myself in a situation where I couldn’t just Google myself to the answer, be it a technical question around the DART language Blair McIntyre wrote or the phenomenology of Orson Welles’ career vs. Stanley Kubrick’s,” West says. “Tech taught me how to create and make and do. Those skills were needed with WonderRoot. You can’t Google ‘How do you make Atlanta better?’”

**“These were students who wanted to push the boundaries of media and creativity, and they wanted to do it themselves. You have to be brave. Alex was one of those students who wasn’t afraid to try things.”**
For its first four years, WonderRoot operated without a physical home. But in 2006, its founders acquired an old bungalow on Memorial Drive in need of love, care, wiring and paint. Volunteers helped to rehab the building and add space, creating the WonderRoot Community Arts Center. The building now boasts a funky gray and orange exterior; indoors, there’s a performance space for music, dance and readings, a darkroom, a recording studio, gallery space, conference rooms and a ceramics studio. Poetry classes and writing workshops are held in a classroom. Computers in the digital media lab are outfitted with Final Cut Pro. A darkroom houses photography equipment that came through donations from individuals and Pace Academy.

Within six months of moving into the new space, in 2007, WonderRoot had grown from zero to almost 500 members; there are about 600 today. Memberships are offered to youths, adults and businesses, with the prices ranging from free to $250 per year. Members gain access to workspaces, studios and West’s favorite program, the Artists Helping Artists Workshop, a monthly session where volunteer professionals offer instruction to beginners. Whether a member wants to learn film editing or pick up new chords on the bass guitar, WonderRoot classes have it covered.

“The idea was, if there’s a pothole in your neighborhood, and if for some reason your voice is not being heard through the protocol and the channels that are supposed to exist to fix it,” West explains, “then we’ll help you put a video on YouTube to raise awareness. We will help give a louder voice to the people who are affected.” (West, by the way, occasionally takes a more direct approach when it comes to fixing potholes: He has been known to mix up his own asphalt and head out at night to fill in pot holes)

WonderRoot doesn’t exist to say whether or not an idea is good or bad, worthy or not worthy. It solely acts as a catalyst to facilitate the creation of art. “It was really important to us that if an artist came to us with a wild idea,” West says, “that we do everything we can to support that idea.” So in 2010, when Angel Pioventud, a supporter of Atlanta’s BeltLine—the in-development 22-mile walking and biking path circling the core of the city—contacted WonderRoot about placing artwork on the transit loop, West and his folks were interested. At the time, progress on the BeltLine (inspired by the graduate thesis of Ryan Gravel, Arch 95, M Arch/CP 99) had nearly stalled out, but the WonderRoot team thought that placing art along the path could show the public that progress had been made and more was underway. WonderRoot invited community artists to participate and put up a budget of $400. After a couple of days of work, they had put together hundreds of pieces of art. Guerrilla-style, artists and WonderRoot volunteers posted 216 paintings throughout the loop, at every place where the BeltLine intersects with a city street. The paintings helped Atlanta residents to see where the BeltLine would be and how big of an impact it could have. BeltLine officials appreciated the effort so much that they worked with WonderRoot to have a second round of art posted a year later, and now WonderRoot serves in an official BeltLine advisory role.

WonderRoot also partners with organizations such as Atlanta nonprofit Kids All Dressed Up to bring arts education to children. With the Boys & Girls Club of Metro Atlanta, WonderRoot cosponsored the month-long exhibition 75 Blue Doors, which paired 25 artists with children to create 75 paintings showcased throughout the city. Venues included City Hall, the Coca-Cola headquarters and the Fox Theatre.

“A lot of WonderRoot’s strength comes from our ability to partner with a wide range of organizations,” West says. “Be it the High Museum, the Emory Center for Ethics, or the Boys & Girls Club, partnerships bring out strengths in both organizations, and we have a bigger impact together than either group could have alone.”
It was tough going for a while, but these days, West recalls the early years of WonderRoot in a stream of superlatives. “We had a blast,” he says. But no longer is WonderRoot the spunky, wide-eyed upstart of Atlanta’s arts community.

Next year, it’ll celebrate the big 1-0, hopefully with some new digs—the gray and orange bungalow has served them well, but a capital campaign is set to launch late this summer, and West and Appleton have some bigger spaces in mind if all goes well. Other changes have already come and gone. In 2006, West formed the WonderRoot board of directors, including heavy hitters from Atlanta’s arts and media scene: representatives from Public Broadcasting Atlanta, Spelman College Museum of Fine Art, the Home Depot Foundation and Emory University’s Ethics and the Arts Initiative. (Wisebram parted ways in 2009.) WonderRoot has been recognized for its programs citywide, including numerous “best of” titles from Atlanta magazine and alt-weekly Creative Loafing. In 2012, West received Georgia Tech’s Ivan Allen Jr. Legacy Award for his work at the arts center.

One thing that hasn’t changed is West’s belief that art can change the world, or at least some small part of it. If anything, his conviction is stronger than ever. “I want to die knowing that Atlanta is an even better place than the city where I grew up,” he says. For nearly a decade, West and WonderRoot have been working toward that ideal future, one concert, one short film, one painting at a time. And every so often, West’s mission comes full circle.

Some years back, a man started coming to WonderRoot to paint. Each time, he seemed to leave a few more of his art supplies behind. Eventually the WonderRoot team discovered the man had lost his home and had no place to keep his brushes, paints and canvases. They let him store his things at the arts center, and he continued to paint there. “He was always the first one to arrive and the last one to leave,” West says. Eventually the man’s portrait and screen-printing work became commercially successful, and he was able to move off of the streets and into a studio. By helping him find his voice, WonderRoot also helped him find a home.

It was tough going for a while, but these days, West recalls the early years of WonderRoot in a stream of superlatives. “We had a blast,” he says. But no longer is WonderRoot the spunky, wide-eyed upstart of Atlanta’s arts community. Next year, it’ll celebrate the big 1-0, hopefully with some new digs—the gray and orange bungalow has served them well, but a capital campaign is set to launch late this summer, and West and Appleton have some bigger spaces in mind if all goes well. Other changes have already come and gone. In 2006, West formed the WonderRoot board of directors, including heavy hitters from Atlanta’s arts and media scene: representatives from Public Broadcasting Atlanta, Spelman College Museum of Fine Art, the Home Depot Foundation and Emory University’s Ethics and the Arts Initiative. (Wisebram parted ways in 2009.) WonderRoot has been recognized for its programs citywide, including numerous “best of” titles from Atlanta magazine and alt-weekly Creative Loafing. In 2012, West received Georgia Tech’s Ivan Allen Jr. Legacy Award for his work at the arts center.

One thing that hasn’t changed is West’s belief that art can change the world, or at least some small part of it. If anything, his conviction is stronger than ever. “I want to die knowing that Atlanta is an even better place than the city where I grew up,” he says. For nearly a decade, West and WonderRoot have been working toward that ideal future, one concert, one short film, one painting at a time. And every so often, West’s mission comes full circle.

Some years back, a man started coming to WonderRoot to paint. Each time, he seemed to leave a few more of his art supplies behind. Eventually the WonderRoot team discovered the man had lost his home and had no place to keep his brushes, paints and canvases. They let him store his things at the arts center, and he continued to paint there. “He was always the first one to arrive and the last one to leave,” West says. Eventually the man’s portrait and screen-printing work became commercially successful, and he was able to move off of the streets and into a studio. By helping him find his voice, WonderRoot also helped him find a home.

It was tough going for a while, but these days, West recalls the early years of WonderRoot in a stream of superlatives. “We had a blast,” he says. But no longer is WonderRoot the spunky, wide-eyed upstart of Atlanta’s arts community. Next year, it’ll celebrate the big 1-0, hopefully with some new digs—the gray and orange bungalow has served them well, but a capital campaign is set to launch late this summer, and West and Appleton have some bigger spaces in mind if all goes well. Other changes have already come and gone. In 2006, West formed the WonderRoot board of directors, including heavy hitters from Atlanta’s arts and media scene: representatives from Public Broadcasting Atlanta, Spelman College Museum of Fine Art, the Home Depot Foundation and Emory University’s Ethics and the Arts Initiative. (Wisebram parted ways in 2009.) WonderRoot has been recognized for its programs citywide, including numerous “best of” titles from Atlanta magazine and alt-weekly Creative Loafing. In 2012, West received Georgia Tech’s Ivan Allen Jr. Legacy Award for his work at the arts center.

One thing that hasn’t changed is West’s belief that art can change the world, or at least some small part of it. If anything, his conviction is stronger than ever. “I want to die knowing that Atlanta is an even better place than the city where I grew up,” he says. For nearly a decade, West and WonderRoot have been working toward that ideal future, one concert, one short film, one painting at a time. And every so often, West’s mission comes full circle.

Some years back, a man started coming to WonderRoot to paint. Each time, he seemed to leave a few more of his art supplies behind. Eventually the WonderRoot team discovered the man had lost his home and had no place to keep his brushes, paints and canvases. They let him store his things at the arts center, and he continued to paint there. “He was always the first one to arrive and the last one to leave,” West says. Eventually the man’s portrait and screen-printing work became commercially successful, and he was able to move off of the streets and into a studio. By helping him find his voice, WonderRoot also helped him find a home.
Left Brain, Meet Right Brain

ARTISTIC ALUMNI FIND SUCCESS BY MIXING CREATIVE PASSION WITH LOGICAL THINKING.

WORDS BY VAN JENSEN, AUSTIN L. RAY AND SARAH BAKER HANSEN

ILLUSTRATIONS BY DOMINIC FLASK
Pop Psychology has long posited that people can be divided into two camps, those who are left-brained (logical and focused) and those who are right-brained (creative and open-minded). Viewing the world through that lens, Georgia Tech appears to be an unambiguously left-brained institution—a university renowned for its engineering, math and science programs, with no fine arts curriculum. But Tech’s alumni long have been making a major impact in the “right-brained” realms of arts, creative writing, film, video games, music and design. Ask them about their experience at Georgia Tech, and they describe it as a great help, not a hindrance, in pursuing careers in those fields.

Take Susan Bonds. She came to Tech having been inspired by the Apollo moon landing, both as a triumph of technology and as a triumphant story for humankind. Bonds, IE 84, loved engineering, but also adored fantasy series like Lord of the Rings and The Chronicles of Prydain. While a student, she spent seven quarters as a co-op with Walt Disney World in Orlando, where she worked on the construction of Epcot through its opening in 1982. The project combined engineering hurdles with artistic challenges—imagining an immersive experience and then finding the engineering and technological solutions to create it.

Bonds went on to become a Disney Imagineer, working on the Alien Encounters, Indiana Jones Adventure and Mission: Space rides. “I looked at what really makes entertainment work,” Bonds said. “How do we immerse people in a story?”
Later, she worked for Cyan Worlds, creator of the video game Myst. And then, in 2003, she started 42 Entertainment, a marketing company behind several successful viral campaigns, including the “Why so serious?” promotion for The Dark Knight film. While this is far from what she studied at Tech, Bonds said her education pushed her to constantly analyze and write, and those skills have been critical to her success.

And while she doesn’t draw or paint or play music, Bonds does consider herself an artist. “I didn’t know how creative I was until I was given the opportunity to express it,” she said. “And there is a tremendous amount of creativity in engineering disciplines.”

Over the past decade, the arts connection at Tech has become more prominent, including the establishment of the Center for Music Technology. That has drawn arts-minded people like Andrew Colella, an accomplished violist who chose Tech to pursue a master’s degree. “It’s not quite where I expected to land,” he said, “but it turned out to be great.”

Colella, MS MT 11, focused on computer programming while at Tech and hoped to find a career in the video game industry. He spent most of his time around architects and programmers, not musicians. But creativity was still ever-present. “Everybody is making something,” Colella said of Tech. “Programmers are heavily math oriented, but they’re still very creative. We’re not just spinning numbers and solving equations.”

Tech challenges students to not just study but to build and create, Colella said. While a student, he played with the Georgia Tech orchestra, and a connection through that organization put him in touch with the musician Janelle Monae, who was in desperate need of a violist to join her tour.

Soon, Colella was winging around the globe, playing at the Coachella festival and the Nobel Peace Prize concert in Oslo. “I can’t imagine anything like it, any profession that takes you to these places, and you get to meet these kinds of people,” he said. “It’s 30 people on a bus or running through a foreign airport, trying to pack gear on a plane at 6 a.m. after playing until 2 a.m. The highs are extremely high; the lows are pretty deep.”

When he’s not on tour or working as a programmer for a finance company, Colella finds time to write music, a task he describes as finding an interplay between two disparate things, spinning them out into something bigger, teasing them into a new direction, merging math and art—uniting the left and right halves of his brain, metaphorically speaking.

Here, we introduce you to just a handful of the many alumni who, like Colella and Bonds, are making noise in creative fields.
“I knew Georgia Tech had one of the finest schools of architecture. I had always loved Atlanta and felt a connection to the city. As I made my way through architecture school, I began to investigate local independent filmmaking.” While working for a South Carolina architecture and interior design firm, Adams, M Arch 98, tinkered with filmmaking on the weekends. Eventually he teamed up with his father to make *The Last Confederate*, a small-but-well-received (it won several awards during its film-festival run) movie about his family during the Civil War. In the years it took to create it, Adams met and worked with “a great deal of people,” including Todd Robinson, an Emmy Award-winning director who would become his producing partner. The pair eventually made *Phantom*, a Russian-submarine thriller that hit theaters in March and is available on DVD. Adams is currently producing and starring in Robinson’s next feature, *The Last Full Measure*, which stars Morgan Freeman and Robert Duvall, and is slated for a 2014 release. It’s a lot of work, but Tech prepared him for the long hours. “I have very fond memories of my time there,” Adams says. “Even though they almost worked me into an early grave.”

Osahon Tongo, Mgt 10, can relate. The 24-year-old Naperville, Ill., native played linebacker and defensive end for Georgia Tech but now is an MFA student in filmmaking at USC. Doing the Georgia Tech campus movie festival in 2008 and 2009 helped ignite his passion for film, but visiting a fraternity

Before Julian Adams shared a submarine—OK, fine, a submarine movie—with Ed Harris and David Duchovny, he was a film-obsessed Wreck. “I always had a love for movies and an interest in filmmaking, but I wasn’t sure how to go about finding my way into a profession,” he says.

If it wasn’t for Georgia Tech, Julienne Kung never would’ve worked with Rick Ross. The connection came through a classmate and fellow member of the Georgia Tech Symphony Orchestra, and Kung, EE 11, ended up playing viola on the Miami rapper’s 2010 critically acclaimed album, *Teflon Don*.

As a child, Kung frequently told friends and relatives, “I want to be a builder.” True to her word, she now splits her time between engineering and music endeavors. Spending her weekdays as a quality assurance engineer at Applied Global Technologies in Kennesaw, Ga., and her evenings and weekends performing at weddings, rehearsing and teaching others, Kung—who also plays cello—looks back warmly on her time at Tech. “My memories become sweeter as time passes,” she said. “I am excited for those students who might’ve gained valuable knowledge and life experience
brother who attended USC law school after Tech sealed the deal. Tongo now spends nearly every waking hour writing scripts, critiquing fellow students’ films, attending production meetings, and working with lights, cameras and plenty of action.

“I feel really blessed that every day I am working toward literally making dreams that were written down on a piece of paper turn into reality,” Tongo says. “At the end of the day, you’re exhausted, but working in the business of make-believe never gets old.” ALR

while in school and have yet to reap the benefits of graduating. They have so much in store for them in their future.”

Pat Alger, Cls 69, chose Tech because it was cheaper than Auburn, and he was “going to have to pay for it myself.” He showed up with “a suitcase and a guitar,” enrolled in the architecture program, even though he “didn’t even know what architecture was,” and quickly started meeting fellow “bohemian neo-hippies” with whom he could spend “more time playing our guitars than studying.”

During his second year, he started performing at folk-rock venues, and that’s where his true passion took hold. Going up at various clubs fulfilled him creatively, but it took a toll on him academically. “I realized I should drop Georgia Tech before they dropped me,” Alger says. “At the end of my sophomore year, I was gone.”

Alger toured the world with The Woodstock Mountains Revue, Artie Traum and as a solo artist. He recorded albums for labels including Rounder, Sugar Hill and Capitol. Finally, he ended up in Nashville as a professional songwriter, penning tunes recorded by the Everly Brothers, Dolly Parton, Nanci Griffith and Garth Brooks. Most recently, he co-wrote the title song for Good Road to Follow, the ongoing digital-single series from John Oates of Hall & Oates. Inducted into the Nashville Songwriters Hall of Fame in 2010 and the Georgia Music Hall of Fame this year, Alger’s thankful for his brief Tech tenure. “It was an incubator for my fledgling talent,” he says. “Although I was academically a mediocre student, I did well in all my creative classes. I remember very well my drawing teacher John Hardy inspiring me to follow my dreams.” ALR

“WORKING IN THE BUSINESS OF MAKE-BELIEVE NEVER GETS OLD.”
1. A screen shot from the Uncharted video game series.
2. Kurt Margenau.
3. Uncharted screen shot.
4. Uncharted screen shot.
5. Holden Link.
6. A screen shot from Stick to It.
Kurt Margenau, CM 07, chose his career path for a simple reason: “I always knew video games were the coolest thing ever.” After making his own Flash side-scrolling shooter game while in high school, Margenau enrolled at Tech based on the reputation of its computer science program. “I didn’t really know how to program, so I figured I should probably learn,” he said.

After switching his major to computational media, Margenau interned at gaming giant EA Tiburon, worked as a programmer at a web startup and finally landed at a small gaming studio in Austin, Texas, working with a Tech roommate. He worked on Ghostbusters: The Videogame for the Wii, and then a call came out of the blue to join Naughty Dog, an L.A.-based studio behind Uncharted and other top games.

While much of his work is technical, the process of building a game offers an artistic challenge, particularly at the conceptual stages. “It’s the most freely creative time there is, and it’s really important to have a time set aside to just think really hard about the game you want to make,” he said. “I’ll come up with a crazy set piece idea, maybe a crashing plane that you are having a shootout in, and just start making it.”

And that ability—to merge engineering and storytelling—developed at Tech. “Tech was the perfect place for me,” Margenau said. “When trying to create an emotional impact through gameplay, I have to stretch deep into both halves of my brain to make it happen, and Tech trained me for that.”

Holden Link, CM 11, shared that experience. He knew he wanted to make video games from age 5. “I guess I haven’t really grown up since,” he said. At Tech, some professors would allow students to turn in homemade games instead of papers or presentations.

He also credits the alumni network with boosting his career. He joined the Georgia Tech Los Angeles Network, which includes dozens of members, several of them working in the video game industry. Those connections helped Link land a job as a producer at Magic Pixel Games, where he recently oversaw a iOS game, Stick to It, that was inspired by Link’s senior design project.

“We’re still finding new things to do with games as entertainment,” Link said, “and we’re only beginning to scratch the surface of what games can be as art.”
As a PhD student at Tech, Amy K. Flatten suddenly realized she liked abstract art. It began as a search to find attractive posters to decorate her apartment walls and then, over the past decade, evolved into an urge to create art of her own.

Flatten, MS ESM 86, PhD ESM 93, took an abstract art class as a summer diversion and has been painting ever since, building it into a side career as she works full time as director of international affairs for the American Physical Society. The two endeavors offer a nice balance, and they overlap more often than she expected.

“One day in art class, I noticed how often my art teacher also used the term ‘problem-solving.’ That commonality with my science studies really struck me,” Flatten said. “When beginning an abstract piece, I often start with a terrible mess of lines and blotches. I have to analyze the piece and find a way out of the ‘mess’ by creating a balance of line, shape and color. It really draws upon my analytic nature.”

Rosa Younessi, EE 05, on the other hand, grew up in the arts. Her father, GH, is an internationally known artist, and she grew up watching him in the studio. At Tech, Younessi organized a group of student painters who met on Friday nights.

“Tech was a great starting point to discover, learn and create,” she said. “You build a foundation, discover
Dave Lo, CS 00, grew up in Atlanta watching cartoons and trying to redraw them. By the time he was ready to choose a university, computer-aided visual effects had come to dominate Hollywood, and Georgia Tech was an easy choice.

Lo also picked up an art degree from the Academy of Art University then ventured to Los Angeles with both technical and artistic skills. Lo has since worked on films including Transformers and the Oscar-winning Rango. “As a child in the 1980s, Transformers was one of my favorite cartoons and toys,” Lo said. “Getting to work at Industrial Light and Magic and blow up robots and buildings for a job [was a] childhood dream come true.”

Tech has a strong presence in the industry, with alumni working for Sony Imageworks, Pixar and ILM, among others. Lo recently completed a contract with Walt Disney Animation Studios and is taking time off to build web and mobile applications, but he’s eager to jump back into moviemaking.

For Keith Prossick, Arch 93, art offers a similar structure to his background in architecture. After struggling to find work during the recession, Prossick became interested in mandalas, the spiritual symbols in Hinduism and Buddhism. Prossick had been interested in art, and he began to paint mandalas.

“It gave me the perspective of seeing a structure on all levels as a unified whole,” he said. “Mandalas are depictions of the architectural floor plans of the multi-dimensional palaces of deities. The patterns and structures were used to bring a sense of order and understanding to philosophical and spiritual beliefs.”

As he has moved fully into a career as an artist, Prossick has found the creative life to be a perfect marriage of his logical and artistic sides. “I visualize the designer perspective as being the left eye, and the artistic one, the right,” he said. “Together they bring my imagination into focus, ultimately pushing the artist in me up into the clouds while the designer in me finds stability with its feet logically standing on the ground.”

new things about yourself, and you learn new skills.”
**WRITING**

**Bruce McEver has ensured** that future Georgia Tech students with love for engineering and poetry, two seemingly disparate interests, won’t have to choose one or the other like he had to.

“When I was a student at Georgia Tech, it was a cultural wasteland,” said McEver, IE 66, who went on to be chairman of Berkshire Capital Securities. He also went on to write three chapbooks and two full-length poetry collections, the latest of which, *Scaring up the Morning*, came out this spring.

In 2009, he created the McEver Chair in Poetry at Georgia Tech, a program that brings a rotating slate of poets to campus to let students study writing. “It’s a great program not only for Georgia Tech,” McEver said, “but also for the whole writing community around Atlanta.” He writes when he can, he said, and spends time with other writers in New York. “For the past 40 years, I have been working with some of the greatest writers in the world here. They inspire me.”

**Terry J. Benton, IE 07**, spends his days working in industrial engineering and the rest of his time writing about his own imaginary world. Benton’s first novel, *Prelude to an Empire*, came out in October 2012. It’s the first in a planned trilogy. “As a kid, I loved to read, particularly fantasy,” Benton said. “I love getting lost in different worlds.”

The second book in the series comes out this fall, and Benton is also working on a series of young adult novels called *Shadow Chronicles*. Benton said people are amazed that he can manage to work full time, go to school—he just earned an MBA—and turn out novels. “I enjoy writing so much, it’s not like work to me,” he said. “Someday, my dream is to have my books turned into movies.”

**Karl Backus, Arch 79**, was always interested in urban environments and the architecture that fills them. That was what drew him to Georgia Tech.

“I wasn’t familiar with the programs,” said Backus, whose firm, Bohlin Cywinski Jackson, received a lifetime achievement award from *Architectural Record* and the American Architectural Foundation for its work on designing Apple stores and Pixar’s studios, among other projects. “It was that I wanted to be immersed in architecture, and the environment let me do that.”

Tech’s mixing of art programs, technology and design in the curriculum and the chance to study abroad in Paris appealed to Backus. “All those influences come together,” he said. “They are all part of what it takes to become a good architect.”

**Pam Walz** never would have become a costume designer had it not been for her two kids. They regularly appeared in church pageants and plays, and they weren’t the only kids who needed costumes. “I was one of the few moms who could sew,” Walz said. What once was a side project for Walz, IM 82, is now her full-time job. She has created pint-size costumes for many musicals, plays and other performances starring young people. “My favorite part is just after the point when the kids have learned their lines and the music and they get into their costumes for the first time,” she said. “It really lifts up their performances and their professionalism increases tangibly.”

Walz also works with high school students to create art and design portfolios for college applications. She got into it after her daughter needed help creating one, and realized other kids might, too. She created a company, Art Scholars Educational, to offer assistance.

**DEsign**

**Pixar Animation Studios**
ENGINEERING UNIQUE
EMPLOYEE BENEFIT STRATEGIES
FOR LARGE EMPLOYERS

TBX MANAGING PRINCIPALS
Carey Brown, IE ’69
Gary Bottoms, IM ’75
David Bottoms, MGT ’00
John Hearn

www.tbxpartners.com | 678.486.5888
alumni house
The annual President’s Dinner Celebrating Roll Call, featuring dancing and a magician, was held in June. The event—hosted by Tech President G. P. “Bud” Peterson and Alumni Association chair Walt Ehmer, IE 89, below—honors Leadership Circle donors to the Roll Call annual fund.
If you’re returning to campus Oct. 31-Nov. 2, you know you’re in for a weekend packed with food, football and friends old and new. But how to make sure you hit all the great events the Institute and the Alumni Association have planned? Never fear: We’ve created this handy checklist to keep your Homecoming weekend buzzing right along. Snip out the page, check off each highlight as you go, and you won’t miss a single Tech tradition.
The Game
Saturday, Nov. 2
Kickoff TBA
Bobby Dodd Stadium
The Yellow Jackets take on the Pitt Panthers. Find more information at ramblinwreck.com.

The Tailgate
Saturday, Nov. 2
Two and a half hours before kickoff
Tech Tower Lawn
This free event includes music from Seven Handle Circus and the Georgia Tech Marching Band, face painters, Buzz’s bead boutique, a caricaturist and more. The first 750 registrants for the tailgate will receive a free barbecue meal courtesy of Lowe’s. For more information and to register, visit gthomecoming.gatech.edu.

The Reunions
Friday, Nov. 1
Locations and times vary
Members of the classes of 1963, 1973 and 1988 will gather to celebrate their 50th, 40th and 25th reunions, respectively. Alumni in those classes also will honor another Tech tradition: giving back. Each class will bestow a gift to the Institute in celebration of their anniversaries. Find more information at gthomecoming.gatech.edu/reunions.

The Mini 500 Race
Friday, Nov. 1
Derived from a fraternity prank, the tricycle race has been a part of homecoming since 1969. Find more information at gatech.edu/mini500.

The Ramblin’ Reck Parade
Friday, Nov. 1 | 8 a.m.
See whether participants have enough engineering skill to coax their contraptions all the way to the finish line.

The Crowning of Mr. and Ms. Georgia Tech
Saturday, Nov. 2 | Halftime at the football game | Bobby Dodd Stadium
Don’t rush off to the concession stand before seeing which students earn the title of Mr. and Ms. Georgia Tech, as voted by fellow students.

The Traditions Tour
Friday, Nov. 1 | 2:45 p.m.
Want a refresher on all of Tech’s traditions? Student Ambassadors will be happy to take you on a tour of campus, hitting sites like Sideways’ grave and new additions such as the Clough Commons. Find more information and sign up for a tour at gthomecoming.gatech.edu.

The Greek Displays
All weekend
Campus-wide
Tech’s fraternities and sororities will show school spirit in displays in front of their houses. Stroll through campus and see which one is most impressive.

Homecoming 2013 is bursting at the seams with great events. On Thursday, Oct. 31, Roger Korne, AE’78, the president of network and space systems at Boeing, will deliver a keynote presentation, and a welcome reception will follow. On Friday, Nov. 1, the Alumni Association will mark the Grant Field Centennial with a presentation by Marilyn Somers, director of Living History, which will include boxed lunches. Later, President G. P. “Bud” Peterson will deliver the President’s Update. Several Alumni Affinity Groups will be holding events during the Homecoming weekend. Find more information and sign up for events at gthomecoming.gatech.edu.

AND MUCH, MUCH MORE...
Growing a Mentor Family Tree

Through the Mentor Jackets program, a single alum can make a huge impact.

In 1998, the Georgia Power alumni group partnered with the Alumni Association to pair alumni mentors with student mentees. Dave Cowan, BC 74, signed up that first year and has served as a mentor ever since. Cowan has mentored several students, including some who have signed up to continue the tradition. Here, we trace out Cowan’s mentoring family tree. Want to be a mentor? Sign up at gtmentorjackets.com.

📝 Dave Cowan, BC 74
Mentor: 1998-present
“Programs like this one help to bridge the gaps between the younger and the more mature members of our Tech community, and sharing experiences from both vantage points helps bring us closer together and make us a more cohesive body of Tech alumni.”

🔍 Fred Carlson, CE 01, MBA 04
Mentee: 2001-02
Mentor: 2001-present
“After my experience with Dave, I have always gone into every mentor relationship expecting that this person I am paired with is going to be someone that I will have a life-long connection with. After that is established, it makes it a whole lot easier to share your life goals, strengths, weaknesses, fears and dreams.”

Pranav Kothari, ME 05
Mentee: 2001-02

Ashish Arya, Mgt 06
Mentee: 2003-04

Amanda Drescher, architecture student
Mentee: 2009-10

Kevin Bogaert, engineering student
Mentee: 2011-12

Jaclyn Zurawski, Mgt 06
Mentee: 2002-03

Erik Trum, IE 13
Mentee: 2004-05

Ravi Maradapu, MBA 12
Mentee: 2010-11

Sam McBride, engineering student
Mentee: 2012-13

Sophia Bromfield, M Arch 10, MBA student
Mentee: 2012-13
“The program taught me a lot about myself, my career goals and how I can leverage my network to achieve my goals. I intend to [be a mentor] because I believe in the mission of the program, and I had such a great mentor that I can’t help but pay it forward.”

Interested in mentoring a Tech student? Sign up at gtmentorjackets.com.
Philanthropy at Work

“A debt-free Tech education and driving the Ramblin’ Wreck—I can’t imagine anything better.”

Stephen Webber

BA 2013
2012 Ramblin’ Wreck Driver

○ G. Wayne Clough Georgia Tech Promise Scholar
○ 2011 FASET Orientation Development Co-Chair

Hometown: McDonough, Georgia
Hobby: Tennis

Undergraduate scholarships and graduate fellowships are a top priority for Campaign Georgia Tech, the $1.5 billion effort to enable Georgia Tech to define the technological research university of the twenty-first century.
Creative Wrecks Connect

Van Jensen

The GT Entertainment Network unites alumni working in artistic fields.

At a 2010 alumni event, Dréa Lewis, STC 04, struck up a conversation with Debra Thompson, the Alumni Association’s senior manager of Affinity Groups, and mentioned that, while the Alumni Association had a lot to offer, it didn’t have any programs for alumni, like Lewis, working in creative fields.

“It was time for the creatives to be recognized for their accomplishments,” Lewis said. Lewis thought she could turn up more alumni with similar experience, though she didn’t realize just how many. Today, the GT Entertainment Network has a thriving membership of alumni working in film, TV, radio, sports, visual arts, video games, performance art and other media.

The group holds regular networking and educational gatherings and plays an active role in providing mentoring and scholarship funds for Georgia Tech students. Lewis says that while the presence of so many alumni in creative fields might be a surprise to some, a Georgia Tech education is great preparation for an artistic career. “We have the aptitude to understand things of a complex nature,” she said, “and with that brain power, we can differentiate ourselves from contemporaries.”

Want to join the Entertainment Network? Connect with the group online at facebook.com/GTENAlumni and @GTENAlumni, or email GTENAlumni@gmail.com. To learn more about Affinity Groups, visit gtalumni.org/affinitygroups.

Every summer, Georgia Tech Alumni Networks across the country hold Student Send-off celebrations, bringing together incoming and current Ramblin’ Wrecks, their parents and local alumni.

For students, it’s a day to make new friends and learn from those who’ve traveled the paths of Tech before. For parents, it’s an opportunity to hear more about the Institute from alumni and discuss the opportunities available with other soon-to-be Tech moms and dads (and to commiserate over the joys and stresses of impending empty nests). And for local alumni, it’s a day to meet and congratulate the students who one day also will earn the distinction of calling themselves “Georgia Tech alumni.”

Tim Farley, now a second-year computer science student, attended a Student Send-off hosted by the Georgia Tech Northern California Network last summer.

“Through talking with [the hosts] and other alumni, I was much more comfortable about attending GT and had a good idea of what to expect,” he said. “I walked away with a wealth of important information and helpful hints. I can certainly tell that my parents are more at ease too!”

Want to attend a Network event? Visit gtalumni.org/networks, or contact Jane Stoner, senior manager of Alumni Networks, at (404) 385-2216 or jane.stoner@alumni.gatech.edu.
Identity thieves can harm your finances, credit and good name. Get the most comprehensive identity theft protection ever created – from the industry leader – LifeLock.

Special offer for Georgia Tech Alumni Association members:

1-800-LifeLock | LifeLock.com | Promo Code: GATECH

*At the end of the 30-day trial period your credit card will be billed automatically at $9.00/mo or $99.00/yr for standard LifeLock service or $22.50/mo or $247.50/yr for LifeLock Ultimate service unless you cancel within the 30-day trial period. You can cancel anytime without penalty by calling 1-800-LifeLock. Offer is for new LifeLock members only.
†Network does not cover all transactions and scope may vary.
‡The benefits under the Service Guarantee are provided under a Master Insurance Policy underwritten by State National Insurance Company. Under the Service Guarantee LifeLock will spend up to $1 million to hire experts to help your recovery. As this is only a summary please see the actual policy for applicable terms and restrictions at LifeLock.com.

LifeLock, the LockMan Icon and “Relentlessly Protecting Your Identity” are registered trademarks of LifeLock, Inc.
Safari Sights

East Africa is home to the greatest migratory concentration of large mammals on Earth. The vast plain of the Serengeti is literally covered with grazing wildebeest, zebra and gazelle as far as the eye can see.

Three extraordinary interpreters led our tour: Christopher, a gentle-spirited Lutheran minister with a broad smile; Babenga, a Bantu tribesman with years of experience; and Allan, a youthful, charismatic Maasai tribesman. Their knowledge, flexibility, enthusiasm and love of their land made every day a new experience. Unpaved roads greeted us each morning, and periodic rains provided some exciting mud bogs and river crossings in four-wheel-drive mode.

During our 10 days, we visited multiple sites, starting with the Tarangire National Park, known for its diversity of wildlife (my first ever sighting of an elephant herd), set amidst baobab trees filled with birds of all shapes and sizes and colors. On another day, we crossed over the lip of the Ngorongoro Crater. There, we had our first up close and personal visit with a pride of lions, who viewed our trucks as a source of curiosity (or perhaps just shade). A visit to a Maasai village gave us a glimpse into a way of life that has changed little over the years.

The Serengeti National Park gave way to a visit to a fishing village on the shores of Lake Victoria, where, in some ways, living conditions had barely been touched by the 21st century. Along the way, we clicked away at our cameras, trying to capture the enormity of it all—hippos bathing in watering holes, giraffes feeding from the treetops, Thomson's gazelles, black rhinos and zebras, each with a unique pattern of stripes.

Ten days, a half a world away, and memories for a lifetime.

Want to travel with fellow Ramblin' Wrecks? More information is available at gtalumni.org/travel, or call Martin Ludwig, director of Alumni Travel, at (404) 894-0758.
If you’re itching to travel the world, who better to globe-hop with than your fellow Yellow Jackets? For more information or to register for any of these trips, visit gtalumni.org/travel.

**Treasures of South America, Jan. 27-Feb. 8, 2014** Discover the best of Argentina and Chile on this 10-night journey that takes you on an exploration of the most scenic regions from Buenos Aires to Santiago.

**California Coastal, Feb. 10-18, 2014** Cruise along California’s golden coast on the deluxe Azamara Cruises Quest and enjoy everything from Los Angeles to the wine country north of San Francisco.

**Tanzania Safari, Feb. 21-March 5, 2014** Experience the Tanzania Migration Safari, a journey encompassing incredible excursions to Arusha, Tarangire National Park, Lake Manyara National Park, Ngorongoro Crater, Olduvai Gorge and the Serengeti National Park.

**Asian Explorations, Feb. 21-March 10, 2014** Travel to the unique ports of East Asia while cruising on the deluxe Oceania Cruises Nautica. From Hong Kong to Beijing, explore ancient sites and intriguing cities with stops in Taiwan, Japan, China and South Korea on this captivating voyage.

**Splendors Down Under, Feb. 21-March 11, 2014** Visit the land of koalas and kangaroos as you explore the fascinating cities, stunning landscapes and exotic wildlife of Australia, Tasmania and New Zealand while cruising aboard the Oceania Cruises Marina.

**Caribbean Pearls, Feb. 22-March 4, 2014** Sail the shimmering waters of the Caribbean aboard the exquisite Oceania Cruises Riviera. Discover natural splendors and exciting ports as you cruise from Miami to Grand Turk, Puerto Rico, St. Maarten, St. Barts, Tortola, the Dominican Republic and the Bahamas.
1940s

Gene Miller, Chem 45, was honored by the Society of American Business Editors and Writers with a 2013 President’s Award. Miller, a journalist and author, helped organize the first SABEW conference 50 years ago. He is an adjunct professor at Florida Atlantic University in Miami.

John Caddell, Arch 52, was inducted into the Alabama Business Hall of Fame in November 2012. He is the founder and chairman of the board of Caddell Construction in Montgomery.

Jesus “Chico” Sosa, ME 55, received the Lifetime Award from the Associated General Contractors of America—Puerto Rico Chapter. He is the first subcontractor/supplier to receive the award. He lives in Rio Pedras, Puerto Rico.

1950s

Larry Apperson Jr., IM 53, was featured in the December 2012 issue of Packet Magazine, a Princeton, N.J.-area lifestyle publication, for establishing a community meal program at a local church. He is an Air Force veteran and retired from IBM.

Jesus “Chico” Sosa, ME 55, received the Lifetime Award from the Associated General Contractors of America—Puerto Rico Chapter. He is the first subcontractor/supplier to receive the award. He lives in Rio Pedras, Puerto Rico.

1960s


Bill Curry, IM 65, launched Curry, Wellborn & Battersch LLC, an Atlanta-based company providing leadership training for athletes and corporations. He is a former Georgia Tech and NFL player and coach.

Francisco T. See, Text 64, worked for Firestone for several decades, including stints in their synthetic fibers branch, research laboratories and corporate engineering. His work generated patents for methods of drawing nylon monofilaments. He lives in Medina, Ohio.

1970s

Milton Arthur, AE 71, MS AE 74, retired as a senior scientist at Harris Corporation after 37 years with the company. He lives in Palm Bay, Fla.

Dean Athanassiades, IE 79, received the 2012 Excellence in Healthcare Management Engineering and Process Improvement Award and was elected to the board of directors of the Society for Health Systems. He is the senior director of project services at Phillips Healthcare.

Breedlove Named NATO Commander

On March 28, Air Force General Philip Breedlove, CE 77, was nominated by President Barack Obama to serve as commander of NATO’s United States European Command as well as its 17th Supreme Allied Commander. Breedlove assumed the posts in May and is now responsible for all NATO missions and operations, including 110,000 NATO troops in the Baltics, the Balkans, the horn of Africa and the Mediterranean. Breedlove is a four-star general in the U.S. Air Force and previously served as commander of the U.S. Air Forces in Europe.
Out & About

1. In May, Hayley Hogan, STC 13, at right, joined sister Hannah Hogan, Mgt 10, in graduating with a perfect 4.0 GPA.

2. L-R: Christy Stager, BCh 09, and Casey Igel, Mgt 98, joined President G. P. “Bud” Peterson, Val Peterson and Alumni Association President Joe Irwin on the president’s 2013 Georgia Tour.

3. Kevin Dee, Arch 04, is a photographer in New York City, working for a variety of clients.

4. L-R: Ed Arnaldo, AE 05; Ashley Warlick, HTS 05; Salvador Garcia, MS EE 94; Glenda Schumann, EE 04; and Christine Nguyen, MS EE 97, (with her children) gather in Alice Springs, Australia, where all live.

5. R. Shelley Blount, Text 66, and his wife, Becky, show off their Tech pride in front of the Neues Rathaus in Munich.

6. Demetrius Papageorge, CE 36, celebrates his 100th year by taking the Wreck for a quick spin along with his brother, John.

7. L-R: Sonal Rajan, Mgt 98, snapped this photo of future Yellow Jacket Ariane Shah, Birju Shah, CmpE 00; Kumar Rajan, ChE 97; and Navnit Shah in Porto, Portugal.

8. L-R: David B. Herbert, IE 58, and John E. Smith II, IM 58, Phi Delta Theta fraternity brothers, won their flight at the Royal Poinciana Invitational Member-Guest Golf Tournament.

9. Becky Ferguson, ME 91, and her son Jake take a breather atop Mauna Kea Summit in Hawaii.

10. Kevin Renshaw, AE 78, spotted this Yellow Jackets nesting doll while on a cruise in the Baltic.

Three Ramblin’ Wrecks are among the founders of Body Boss Fitness, an online athletic performance tracking application: Daryl Lu, IE 07, head of development; Darren Pottinger, IE 11, head of R&S and sales; and Don Pottinger, CmpE 08, head architect and developer. The Body Boss Fitness web tool enhances athletic performance by instantly monitoring workout results. The startup has partnered with high school and colleges across the Southeast, and hopes to connect with major retail gyms and NFL teams in the future. For more, visit bodybossfitness.com.
Heather McKinney Peacock, IM 83, graduated from Phoenix Seminary. She owns Wild West Jeep Tours.

1980s

Paul Brown, Mgt 89, was named the new chief executive officer for Arby’s Restaurant Group Inc. in May. He was formerly president of brands and commercial services for Hilton Worldwide, president of Expedia.com and partner at McKinsey & Company.

Herbert Congdon II, EE 86, was named a Top 20 Industry Positive Contributor by Cabling Installation & Maintenance magazine. He is the associate vice president of Technology & Standards, Telecommunication Industry Association. He lives in Arlington, Va.

Marc Corsini, IM 80, published an ebook, Authentic Selling: A Better Way to Do What You Do. He has written three other books and is the founder of Corsini Consulting Group LLC.

Richard Curtis, CE 83, MS CE 89, joined Cardno ATC’s Atlanta office as a branch manager. He was formally a principal with Burns Cooley Dennis Inc. Richard lives with his wife, Vicky, CE 82, MS CE 84, and their children in Atlanta.

Bryan Eagle, MS 87, started Eagle Consultancy International, which equips Russian and CIS manufacturing enterprises to improve performance. He and his family live in Pittsburgh.

Jaymie Forrest, Mgt 89, was featured among Supply & Demand Chain Executive magazine’s 2013 Top Female Leaders of the Supply Chain Industry. She is the managing director of the Supply Chain & Logistics Institute at Georgia Tech.

David A. Leon, ME 85, retired from the Army Corps of Engineers and enrolled in the wooden boat building program at the Apprentice Shop in Rockland, Maine.

Dana Mitchell, Arch 88, M Arch 90, was appointed manager of the Cleveland office of the URS Corporation. He has worked for URS, a leading provider of engineering, construction and technical services for public and private businesses, for nearly 17 years.


David Rowland, IM 83, was promoted to CFO of Accenture in July 2012.

Chilton Stewart, ME 89, earned an MBA from King University and was named North America commercial sales manager for the heat pump division of Bosch Thermotechnology. He and his family live in Kingsport, Tenn.

Gordon Warren III, NE 80, was named one of the 12 Distinguished University Professors by Georgia State University’s president and provost. He is professor of physical therapy in the Byrdine F. Lewis School of Nursing and Health Professions at GSU.

1990s

Brian Berner, ME 96, was promoted to vice president of the Switch and Service Divisions at the international switchgear manufacturer Southern States LLC. He lives with his wife, Emily, ChBE 98, and daughter in Meansville, Ga.
Angel Cabrera, MS Psy 93, PhD Psy 96, was inaugurated as the president of George Mason University in July. He lives with his wife, Elizabeth, MS Psy 93, PhD Psy 95, and children in Fairfax, Va.

Brent Cook, CE 91, MS CE 94, was promoted to assistant engineer for Northeast Georgia by the Georgia Department of Transportation, where he has worked since 1992. He and his family live in McCaysville, Ga.

Malishia Douglas, ChE 96, has joined the law firm of Calfee, Halter & Griswold LLP as an associate.

Alisa Gilmore, EE 96, MS ECE 01, received the Alumni Teaching Award from the University of Nebraska at Omaha. Gilmore is a senior lecturer in UNO’s College of Engineering.

Troy Hammond, Phys 90, became the 10th president of North Central College in Naperville, Ill., in January. He was formerly president at BlueStar Energy in Chicago. He and his family live in Naperville.

J. Tyler Hewitt, CE 98, joined HDR, a global architecture and engineering consulting firm, as the Water and Natural Resources business group’s manager for the state of Georgia. He was previously vice president of Infratec Consultants.

Calvin Mackie, ME 90, MS ME 92, PhD ME 96, received the United Negro College Fund’s Legacy Award, the Morehouse College’s Bennie Awards in Achievement, and the Jack Leadership and Community Service Award in March. He is an associate professor at Tulane University. He and his family live in New Orleans.

Doug Manning, Mgt 96, is the vice president of account services at Career Sports and Entertainment, where he created Make the Call, an on-screen prompt in game telecasts that allows fans to predict the outcome of a team’s possessions.

William Spencer Phillips, EE 94, joined Syska Hennessy Group as an associate partner and site leader of the Atlanta office in January.

Nitin Prasad, EE 97, was appointed as the new managing director of Shell Lubricants India. He was formerly the Asia Pacific and Middle East regional head for Chemicals Supply Chain.

Guy Primus, IE 92, MS IE 95, delivered the keynote address and received the Captain of Industry Award at the 2012 IIE Annual Conference and Expo in Puerto Rico. Primus is chief operating officer at Overbrook Entertainment.

Christopher Basiliere, IE 05, Zack Crafton, MBA 11, Colton Ebersold, MS ME 12, and Lenny Fleshler, Mgt 03, have launched Taste Factor, a wine club that tailors recommendations to users’ particular palates. New members are sent a “starter pack” of varietals to sample and rate; the Taste Factor team crunches those numbers, then selects a second batch of wine tailored specifically to the user’s tastes. The more bottles users rate, the more specific Taste Factor’s recommendations can become. The Atlanta-based service went national this spring, and recently added to its staff a Napa Valley winemaker who hand-selects each bottle. To try it yourself, visit taste-factor.com.
J. Austin Williams, Arch 98, created an award-winning jerk marinade sauce, The Shizzle, now sold in Whole Foods stores and online. Williams is a partner with Crosland Southeast, a retail development firm.

2000s

Brad Davis, M CRP 08, opened the Atlanta office of Atla Planning + Design, a national firm specializing in active and healthy communities. He works as a city planner in Atlanta.

Brad Edwards, IE 06, MS Stat 07, has collected more than 1,000 Georgia Tech football ticket stubs dating back to 1921. He plans to donate a portion of his collection to the Georgia Tech Library. View his full collection at georgiatechticketstubs.com.

Janae Holmes, IE 09, earned her master’s degree in cost estimating and analysis from a joint program between the Naval Postgraduate School and the Air Force Institute of Technology in March. She is the naval ship cost estimator for Naval Sea Systems Command.

Joni Lay, ID 04, runs LayBabyLay.com, a blog dedicated to nursery design and interior spaces for babies and kids. She works as a hairbrush and hair accessories designer at Goody Products and lives with her family in Atlanta.

Ashley Lesko, IE 00, started a new job with Belk as an FP&A finance manager. She and her family have relocated to Charlotte, N.C.

Grace McGee, IA 09, founded a graphic design company called Southern by Design, specializing in small business branding and event advertising.

George Nelson, ME 03, MS ME 06, PhD ME 09, was awarded the Ralph E. Powe Jr. Faculty Enhancement Award from the University of Alabama in Huntsville. The grant will go toward his...
research on the stability of thermoelectric materials at high temperatures. He is an assistant professor of mechanical and aerospace engineering.

**Davis Neves, ID 01**, is an actress, comedian and founder of the Improv Dance Company. She lives in Los Angeles.

**Michael Rohling, HTS 07**, works with BuffaloCODY, a fundraising management service, on Kennesaw State University’s Phonathon Program. He lives in Atlanta.

**W. Paul Rowland, Chem 05**, is professional photographer living in Nashville, Tenn. View his work at paulrowlandphotography.com.

**Jose Traywick, CmpE 02**, and **Dana Campbell Guthrie on Oct. 8, 2011, in Bluffton, S.C.** They live in Atlanta.

**Lee Smees, PhD Bio 06**, and a research team have conducted the first study suggesting that preserving a variety of eastern oysters is important in preventing worldwide oyster decline and maintaining a viable fishery. Smees is an associate professor in the department of life sciences at Texas A&M University Corpus Christi.

**Jay Stanley, Mgt 09**, joined EDTS, a technology consulting firm, as a sales associate in May.

**Dena Wade, ID 01**, recently began a new job in package design and development at Sidel.

**Ashley Warlick, HTS 05**, works for the U.S. Air Force and was recently relocated to Alice Springs, Australia, with her husband.

**Nicole Wilson, PTCH 04**, won the Entrepreneur of the Year Award from the American Association of Textile Chemists and Colorist for her work in filtering contaminated water. She is the founder of Pure Filter Solutions LLC.

**2010s**

**Seletha R. Butler, MBA 10**, published an article in *The Georgetown Journal of Gender and the Law* entitled “Financial Expert: A Subtle Blow to the Pool and Current Pipeline of Women on Corporate Boards.” She also received the Scheller College of Business Professor of the Year Award for the elective business course she taught at Tech this spring.

**Joshua D. Crews, M Arch 11**, works for architecture firm CDH Partners in Marietta, Ga.

**Catherine Kearns, HTS 10**, recently accepted a marketing position with ad agency BBDO. She previously worked in marketing for Atlanta Bread Company.

**Courtney Weil, EnvE 11**, owns a small business, Crafts and Love Jewelry. Her wares are available on Etsy and in stores around Atlanta.

**Rebekah Michelle Boulineau, STC 04**, and **Niraj Shetty, ChBE 02, Mgt 05**, on March 30. Michelle is the director of HR Advisory Services at The Hackett Group. Niraj is the sales operations manager at Gas South. They live in Atlanta.


**Jose Traywick, CmpE 02**, and **Dana Campbell Guthrie on Oct. 8, 2011, in Bluffton, S.C.** They live in Atlanta.

**2. David Tyler, Mgt 06**, and **Heather Kim on Feb. 12 at the Grand Canyon.** David is an Air Force Reserve instructor pilot and a Delta Air Lines pilot. They live in South Carolina.

**3. Harry Woodworth, PP 09**, and **Anne Mahaffey on May 26 in Litchfield, S.C.** Harry is an attorney.
Welcomed a future Yellow Jacket into your family? Send a photo and note to ramblinroll@gtalumni.org.

1. Kumar Ayyagari, MS IE 09, and Pushkala Ayyagari, MS BI 09, welcomed daughter Ananya Ayyagari on April 5.

2. Simon Chen, EE 06, and his wife, Georganne, welcomed son Alexander William on Feb. 14. Simon is a senior engineer at Charles Schwab. They live in Austin, Texas.

3. Kat Colmer-Johnston, HTS 07, and her husband, David, welcomed son Walter in August 2012. Kat is a full-time mom.


5. Amy Billups Engel, Mgt 98, and her husband, Nate, welcomed son Parker James on Oct. 28. He joins big brother Max. 3. Amy is assistant director of partnerships for the United States Golf Association in Far Hills, N.J.


7. Sejdefa Dozic Hecimovic, BME 07, and her husband, Damir, welcomed daughter Sara in August 2012.

8. Juile Kientz, PhD CS 08 and Shwetak Patel, CS 03, PhD CS 08, welcomed daughter Maya on Nov. 12. Juile and Shwetak are faculty members at the University of Washington in Seattle.


10. Ashley Powell, CE 03, and her husband, Scott, welcomed daughter Maddie Elizabeth on Dec. 26. She joins big brothers William, 4, and Noah, 2.

11. Reinhard Powell, ME 00, MS ME 03, PhD ME 06, and Tamra Osborne Powell, Mgt 02, welcomed son Rory.
Seal the cracks in your portfolio

Do you know which investments are draining your earnings potential? We can help you determine if your investments are working toward your goals and if they’re working well together. Call today for a complimentary portfolio review.

O’Brien Investment Group of Wells Fargo Advisors

David O’Brien
Senior Vice President - Investment Officer
950 East Paces Ferry Road
Atlanta, GA 30326
404-760-7615
david.obrien@wfadvisors.com
wfadvisors.com/obrieninvestmentconsulting

Investment and Insurance Products: NOT FDIC Insured NO Bank Guarantee MAY Lose Value

Wells Fargo Advisors, LLC, Member SIPC, is a registered broker-dealer and a separate non-bank affiliate of Wells Fargo & Company. ©2013 Wells Fargo Advisors, LLC. All rights reserved. 0113-01820 [74030-v4]

Gage in March. Reinhard is a consultant. Tam’ra is a manger of U.S. advertising at Delta Air Lines. They live in Atlanta.

10. Christian Schroeder, CS 04, and his wife, Kristen, welcomed son Bentley on May 21. They live in Bonaire, Ga.

11. Jim Schwaller, MBA 05, and his wife, Maria, welcomed son Ryan on Feb. 8. They live in Los Angeles.


13. Trisha Wicker, Mgt 08, and Jared Wicker, Mgt 08, welcomed son Tatum Jackson on April 26. They live in Locust Grove, Ga.

in memoriam

1930s


George N. Spring Jr., ChE 38, of Atlanta, on Jan. 14. World War II. Chemical engineer.

1940s

Jack M. Averett, EE 41, of Columbus, Ga., on April 5. Army. Senior vice president, United Cities Gas Company.

Aubry J. Bassett Jr., BE 46, of Lafayette, La., on Sept. 2. Engineer, Shell Oil Company Foundation.


Thomas Vaughan Bockman, EE 43, of Atlanta, on April 5. Chief electrical design group leader, Bell Aircraft.


James R. Cleveland Sr., Cls 40, of Atlanta, on Nov. 27.


Hugh B. Gilbert, Cls 47, of Owensboro, Ky., on May 7.


Evans Virgil Heath, EE 43, of Destin, Fla., on March 4. Army, World War II. Engineering director, AT&T Communications.


Jack N. Lincoln, ChE 44, of Atlanta, on April 15. Owner, D’Lang Fashions. Lawyer, Justice Department of Atlanta.


William McPherson Jr., MS PSE 44, PhD PSE 45, of International Falls, Minn., on Dec. 24.


Oswald Newell Jr., ChE 46, of Houston, on April 1. Executive vice president, Conoco Inc.
Joel Brand Laseter, Cls 40, of Plant City, Fla., on May 16. He joined the Marine Corps and flew Corsairs in World War II, commanding a squadron of B-25s in the Pacific Theatre. Following the war, he worked to repatriate prisoners of war to China, Japan, Russia and the United States, and continued to work in China to help re-establish the country’s presence in world banking. In civilian life, he worked as a manufacturer’s representative and for pipe fitting extrusion businesses. His travels took him to more than 80 countries and all seven continents; in 2002 he became one of the oldest people to visit the U.S. Research Station at the South Pole, and he visited the North Pole on an ice-breaker ship the following year. He made visits to game camps in Africa and celebrated his 90th birthday in Myanmar.

James Uptegrove, CE 47, of Susanville, Calif., on May 19.


Arnold Eugene Wise, IE 49, of Stone Mountain, Ga., on April 4. Army (Purple Heart, Bronze Star). Broker, Atlantis Investment Realty Company. Daughter: Anne Fuller, ME 83, MS PP 93, PhD Mgt 08.


Chestnut A. Thompson, IE 49, of Antioch, Tenn., on Nov. 18. Director of engineering research, Genesco Incorporated.

James Uptegrove, CE 47, of Susanville, Calif., on May 19.


Arnold Eugene Wise, IE 49, of Stone Mountain, Ga., on April 4. Army (Purple Heart, Bronze Star). Broker, Atlantis Investment Realty Company. Daughter: Anne Fuller, ME 83, MS PP 93, PhD Mgt 08.


Chestnut A. Thompson, IE 49, of Antioch, Tenn., on Nov. 18. Director of engineering research, Genesco Incorporated.

1950s


Crawford Odell Asbell Sr., Text 50, of Tignall, Ga., on March 16. Army, World War II.


Lloyd W. “Sunny” Baggett, IM 54, of Marietta, Ga., on April 17. Army, Korea. President, Orange Construction Corporation.

Joel Brand Laseter
VETERAN, ADVENTURER

Joel Brand Laseter, Cls 40, of Plant City, Fla., on May 16. He joined the Marine Corps and flew Corsairs in World War II, commanding a squadron of B-25s in the Pacific Theatre. Following the war, he worked to repatriate prisoners of war to China, Japan, Russia and the United States, and continued to work in China to help re-establish the country’s presence in world banking. In civilian life, he worked as a manufacturer’s representative and for pipe fitting extrusion businesses. His travels took him to more than 80 countries and all seven continents; in 2002 he became one of the oldest people to visit the U.S. Research Station at the South Pole, and he visited the North Pole on an ice-breaker ship the following year. He made visits to game camps in Africa and celebrated his 90th birthday in Myanmar.
in memoriam

Charles Wayne Ball, CE 50, of Mountain Brook, Ala., on April 29. Structural design engineer.

Howard Conway Berry, IE 50, of Madisonville, Ky., on March 29. Army, World War II, Korea, Attorney.

Lawrence Edgar Birdsong, EE 51, of Onalaska, Wis., on Sept. 28. Army Signal Corps (Bronze Star), World War II, Korea, Engineer, Apollo projects at NASA.


Preston Leon Bridges, IM 50, of Cleveland, Ga., on May 10. Navy, World War II.


Chalbert “Chab” W. Burchett, ME 55, of Hampton, Pa., on March 7. Army (Lt. Col.), Civil servant.

John Wilbur “Bill” Caldwell, CE 51, of Tallahassee, Fla., on April 19. Engineer, Federal Highway Administration.


Victor J. Caruso, ME 51, of Tampa, Fla., on May 31. Army (1st Lt.). Board member, Tampa Sports Club. Member, L’Unione Italiana.


Lucas A. Clark Jr., Cls 55, of Key Biscayne, Fla., on Nov. 30. Safety consultant, DuPont.


William Dowdy, ChE 54, MS ChE 63, of Signal Mountain, Tenn., on May 23. Chemical engineer, DuPont.


The cardboard sign appeared on an East Atlanta telephone pole in late May, the words spelled in thick black ink: “HIS NAME WAS PATRICK COTRONA. He’s my brother and a kind and loving son and uncle and friend. He went to GA Tech & he loved video games & beer. He was a computer engineer & East Atlanta homeowner. AND HE WAS MURDERED; SHOT DOWN.”

The signs were posted by Kate Krumm, the older sister of Patrick Cotrona, CS 03, who was shot and killed on May 25 while walking home near the heart of his beloved, bustling East Atlanta neighborhood. The evening of June 2, some 200 people gathered in a nearby lot for a vigil; paper-bag luminaries bore handwritten notes to Patrick, his family and the wider EAV community, where violent crime has seen a recent spike. “My family was and is determined to make sure that people know that Patrick was not just another statistic victim of violent crime in this city,” Krumm told the crowd, according to a Creative Loafing report. “He is you, me or anyone of us. A normal citizen. We believe this message is not just about Patrick, but about all those other victims who have remained nameless, who were just ‘man shot and killed.’” At press time, police had yet to identify Cotrona’s killer.

Patrick Cotrona
VIDEO GAME ENGINEER, PROUD EAST ATLANTAN
John M. Farrell
CHIEF STRATEGY OFFICER AND VICE PRESIDENT
OF THE COCA-COLA COMPANY

John M. Farrell, IM 76, of Atlanta, on April 29. He began his career with the Coca-Cola Company in 1979 with the company’s bottling operations. Over the next 34 years, he held various behind-the-scenes positions with Coca-Cola North America; led Region Management in Japan; served as president of Coca-Cola China; served as president of Schweppes Beverages; served as director of business development and strategy for Europe, Eurasia and the Middle East; and led the corporate strategy and planning function for the Japan Business Unit. Most recently, he returned to Atlanta as the company’s vice president and chief strategy officer and helped orchestrate The Coca-Cola Company’s 2020 Vision and current global planning process. But one of Farrell’s most notable career accomplishments may be sitting in your fridge right now: In the 1980s, while with Coca-Cola North America, he and three colleagues developed Diet Coke, now a multi-billion dollar brand. Farrell also served on the Advisory Board of the Georgia Institute of Technology. Brother: Jim Farrell, IM 79.


Thomas H. Knight, IM 52, of Panama City, Fla., on May 18. Navy, World War II. Buckeye Corporation of Proctor and Gamble.

Duane Charles Lebl Sr., IM 59, of Tyler, Texas, on April 8. Owner, Duratite of Texas.

Victor Lopez, ChE 50, of Carolina, Puerto Rico, on April 5.


James Irwin Morris, EE 58, of Richardson, Texas, on May 11. Collins Radio. Rockwell International. Alcatel-Lucent. Volunteer accountant, United States Figure Skating Association.

James E. North, IM 55, of Mesa, Ariz., on May 17. Minister, Southwestern Baptist Theological Seminary.


William E. Green, IM 56, of Atlanta, on June 1. Oral and maxillofacial surgeon.


William L. Hall, Arch 58, of Westport, Conn., on April 15. President, WLH Architect and Associates.


Sherman “Matt” Horan, CE 53, of Plainfield, Ill., on April 17. Engineer, JMB/Urban Development Company.


William C. Jeter, EE 54, of Atlanta, Ga., on March 18. Electrical engineer, Georgia Power.

Edward J. Negri, ME 47, of Atlanta, on April 28. As owner of Herren’s restaurant on Luckie Street, Negri witnessed many Atlantans pausing for their midday meals. But one day in the early 1960s, he watched a group of construction workers break for lunch and indirectly became a local pioneer. After seeing the white workers file into a nearby restaurant and the black workers decamp to the back of a pickup truck, he was moved to desegregate Herren’s—becoming the first Atlanta restaurant owner to do so voluntarily.

In addition to being the vivacious public face of Herren’s, which closed in 1987, Negri served on a number of boards and community organizations, including the Camp Fire Girls, the Atlanta Convention Bureau and the Atlanta Chamber of Commerce. He was chairman of the Food Service Advisory Committee for the Atlanta Vocational Technical School and of the Atlanta Regional Food Committee for Disaster Preparedness. Negri served, too, as president of the Atlanta Restaurant Association (1958-59), president of the Georgia Restaurant Association (1965-66) and director of the National Restaurant Association (1968-74). In the 1980s, he was instrumental in resurrecting two Atlanta landmarks: the Fox Theater and, on the West End, the Wren’s Nest house museum. He was involved in the formation of Atlanta Landmarks, Inc., and served on its Board of Trustees.

Negri also served in the Army Air Corps. In 2006, he published his memoirs, Herren’s: An Atlanta Landmark.
Henry “Hank” Franklin McCamish, Jr.

INSURANCE EXECUTIVE, ENTREPRENEUR, PHILANTHROPIST

• Hank McCamish toured the arena named in his honor with his wife, Margaret, basketball coaches Machelle Joseph and Brian Gregory, and former coach Bobby Cremins.

Henry ‘Hank’ McCamish, Jr., IM 50, moved to Atlanta to attend Georgia Tech and never left. After a successful career selling life insurance products, McCamish founded several insurance-related companies. He was an innovative businessman and a mentor and role model to many of Atlanta’s business leaders. McCamish died June 30 in Atlanta.

McCamish gave generously throughout his life, and most of his philanthropy was anonymous until recently. He contributed significantly to his alma mater, most recently to support the new McCamish Pavilion, where Tech’s basketball teams play. He served on the Alumni Association Board of Trustees, and he also provided philanthropic support to church, wildlife and public policy charities and organizations.

Survivors include his wife, Margaret, who was named an honorary alumnus of Georgia Tech in 2012.

1960s

R. Kenneth Barton Sr., IM 64, of Dunwoody, Ga., on May 21. Army National Guard. Executive vice president of human resources, Simmons Company.

William B. Benton, ME 68, of Fort Worth, Texas, on Oct. 5.

Edwin Bridenbaugh, EE 62, of Raleigh, NC, on Oct. 26. President and CEO, Perfect Power Inc.

Donald B. Brim, AM 61, of Panacea, Fla., on April 10. Army Reserve. Senior consultant, ACS Government Healthcare Solutions.

David Henry Coberth, IM 66, of Covington, Ga., on April 4. Army (Lt.).

George Arthur Craig, MS IE 60, of Fairfax, Va., on March 2. Marine Corps. Systems engineer, MITRE.


Barbara Jane Daniels, MS InfoSci 66, of College Park, Ga., on March 4. Assistant research scientist, Georgia Tech.


Clark Harrison Thackerson, Cls 57, of Stockbridge, Ga., on April 10.


Joel C. Thornton, CE 56, of Greer, S.C., on April 3. Army Reserve. Vice president, Fluor Corporation.

Cooper R. Tilghman, IE 56, of Huntsville, Ala., on April 29. Program manager of rocket missile program, Thiokol Corporation.

Thomas Merrell Wade, IE 50, of Arah, Ala., on Feb. 28. Navy, World War II. NASA.

James F. Walden, ME 56, of Guilford, NC, on Nov. 11.


Beusse Whitworth Jr., Arch 50, of Atlanta, on April 25. Navy, World War II. Senior vice president, Stevens & Wilkins Inc. Son: David C. Whitworth, Bio 77, IE 80.

James B. Grant, CE 68, MS CE 69, M CP 69, of Atlanta, on March 4. Federal Highway Administration. Professor of city planning, Georgia Tech. Health care consultant. Research associate, Emory University.

Jesse Claude Hemphill Jr., IM 60, of Atlanta, on May 29. Army (2nd Lt.). Dentist.


Kenneth Edward Holsombeck, TE 64, of Greenville, S.C., on May 29. NASA. Executive vice president, Delta Woodside.


William  E. Kinslow Jr., ID 60, of Jacksboro, Tenn., on March 5. Air Force (Capt.). RCA. Chief information officer, Pilot Corporation.


Ralph E. Lawrence II, IE 60, of Norfolk, Va., on March 3. Army Corps of Engineers.

Francis Emory Maddox, IM 62, of Columbus, Ga., on March 22. Army. District manager, General Services Administration.

Donald E. Manning, IE 64, of Glynn, Ga., on Jan. 29.

Whitefield Watson Mayes, MS CE 64, of Newport News, Va., on April 12.

Army (Capt.). Chief engineer and deputy director, Department of Defense. Wilbur Smith Associates.

Thomas W. Mewbourne, IM 60, of Atlanta, on June 7. Air Force (2nd Lt.). Sales representative, ED Green Corporation.

Mervin Gary Newton, Chem 61, PhD Chem 66, of Athens, Ga., on Feb. 22. Professor and research assistant, University of Georgia.


Terry Redfearn, IE 64, of Daphne, Ala., on March 6. Engineer, Moore Products Company.

Robert D. Shults, EE 60, MS EE 63, PhD EE 68, of Arlington, Va., on May 17. Lockheed of Marietta. Department of Defense. Senior engineer specialist, ManTech SRS Technologies.


Wilford “Pete” Street Jr., IE 63, of Severna Park, Md., on Feb. 24.

Worthy Edward Strickland, CIs 61, of Perry, Ga., on March 27. Army (Maj.). OB/GYN, Perry Hospital. Brother: William Strickland, CIs 62.

Barry Sugerman, Arch 60, of Miami Beach, Fla., on April 16. Air Force (Capt.). Architect.

Edwin Lamar Tomberlin Jr., EE 68, MS EE 70, of Roberta, Ga., on April 5. CEO, AVGroup Incorporated.


Charles H. Westbrook, ME 66, of Lookout Mountain, Tenn., on April 6. President and CEO, Chateau Creations.

Rexford Louis Young, Chem 65, of Decatur, Ga., on April 28. Research chemist, Dow Chemical.

1970s

Gary B. Adkins Jr., MS CE 71, of Midlothian, Va., on May 24. Mechanical test engineer, Newport News Shipbuilding and Drydock Company. Virginia Department of Transportation.

William David Cardell, EE 73, of Roswell, Ga., on May 7. Georgia Power.

John W. Cummings Jr., EE 72, of Atlanta, on May 25.

Daniel G. Drachman, MS CE 77, of Vologda, Russia, on May 10. Army Security Agency. Senior project manager, CH2M. Son: Brian Drachman, EE 92.


Luis Gonzalez Jr., ME 75, MS ME 80, of San Juan, Puerto Rico, on Feb. 28. Owner, Mechanical Engineering Consultants.

James Lonnie Jones, CE 78, of Woodstock, Ga., on June 1. Construction liaison engineer, Georgia Department of Transportation.

Gary Lee Key, Phys 70, of Altamonte Springs, Fla., CIA. Ball Systems. Frontier Technology. Inventor, key pattern recognition technologies.
Mary Louise McMartin, Cls 73, of Woodstock, Ga., on Jan. 16.


James Ratteree, Arch 71, of Columbia, S.C., on May 22. Airport design and planning: Skidmore, Owings and Merrill; Bevins Consultants; McClure Corporation.


James A. Thompson, Arch 76, of Fairfield, Ct., on June 1. David Easton Inc. Founder, James A Thompson Architects. Thompson Raissis Architects.

Lee Blackstone Williams, Cls 76, of Marietta, Ga., on March 6. Cofounder, Audio, Automation & Theater Inc.

Philip C. Windsor, GM 71, of Atlanta., on April 18. National Guard. Owner and president, Island Interior Contractors Inc.

1980s


James McAnally Dixon, HS 81, of Austin, Texas, on April 1. Louisiana Hospital Association. Amerinet. Texas Hospital Association.

Judson “Bo” Godwin Jr, Cls 83, Alpharetta, Ga., on April 4. Senior management, AT&T.

Mark Hollingsworth, ChE 86, of Ripley, Miss., on January 13. Plant manager, Southern Clay Production.

Kenneth E. Kolpitcke, ME 86, MS ME 87, of Centerville, Ohio, on June 4. Mechanical engineer, Delphi Production Division GM. Wife: Melanie Kolpitcke, Chem 84, MS Chem 89. Son: Andrew Kolpitcke, current student.


Thomas A. Smith, MS IM 80, of Alpharetta, Ga., on June 6. CEO and President, Oglethorpe Power Company. Son: Kevin Smith, Mgt 12.

Carol G. Szell, Mgt 88, of Marietta, Ga., on April 15. Husband: Imre Paul Szell, IE 88.

1990s


Lee Ashton Waters, MS CE 94, of White Oak, Ga., on March 11. Army Corps of Engineers.

2000s


Derek James Reding, MS AE 04, PhD AE 09, of Fort Worth, Texas, on May 8. Qualis Corp, Air Force Research Lab.

2010s


Students

Sean Kuehl, MBA student, of Atlanta, on June 19. Marine Corps, Iraq and Afghanistan.

Friends

Nancy Walls, of Johnstown, Pa., on March 19. First female head, Georgia Tech Biology Department. Georgia Tech Engineering Experiment Station. National Science Foundation. ABI Environmental Consulting.

George H. Weyerhaeuser Jr., of Tacoma, Wash., on April 23. Senior vice president, Weyerhaeuser Company. Chair of the executive board of the Sloan Center for Paper and Business Studies, Georgia Tech.
To market or find a distinctive home requires uncommon knowledge and resources.

BILL RANSOM OF ATLANTA FINE HOMES SOTHEBY’S INTERNATIONAL REALTY

The Baldwin Group offers a full range of scheduling services – from project conception and design through substantial completion and the grand opening. We also provide a full range of litigation support and construction claim services.

A SERVICE DISABLED VETERAN OWNED BUSINESS

Applied Software is the #1 Autodesk Reseller & Platinum Partner in the Southeast...and your #1 source for Autodesk software and design technology Services - Support - Training & More!

STALUMNIMAG.COM  VOLUME 89 NO.3 2013
YOUR SPINDLE PLACE
Fischer Precision Spindles offers repair and sales of machine spindles for metal working and wood working industries.
860-828-0595 | fps-spindles.com
jbailey@fps-spindles.com

RIGHT PEOPLE, IN THE RIGHT PLACE, AT THE RIGHT TIME.
Hargrove Engineers + Constructors supplies unparalleled service in engineering, procurement, construction management, and technical services in the industrial, commercial, and government sectors.
770-887-9245 | hargrove-epc.com
swilson@hargrove-epc.com

ENGINEERING & PROJECT MANAGEMENT
HGA has more than 350 employees, 11 locations throughout US and Middle East, and provides services in diverse markets. A rapidly growing company, HGA is now hiring engineers, designers & project managers!
866-255-6825 | hga-llc.com
information@hga-llc.com

COMMERCIAL & INDUSTRIAL SECTOR
John Group International is an international architect, engineering and facilities management firm with expertise in Oil and Gas, Paper and Chemicals, Transportation, Academia, Medical, Marine and Aviation.
1-877-395-1268 | john-group.com
info@johngroupinternational.com

WE PROUDLY SUPPORT GT
Knight Architects and Georgia Tech create a winning team in designing campus football facilities.

MPG MANAGEMENT PSYCHOLOGY GROUP
Helping Leaders Build Effective Organizations Since 1986
Pre-employment assessment; surveys; coaching; team development.

Hodges L. Golson, Ph.D. (BSIM)
William J. Flanagan, Ph.D. (Psy)
Michele I. Mobley, Ph.D. (Psy)

404-237-6808 | managementpsychology.com

OUR PHILOSOPHY IS SIMPLE: CLIENT FOCUSED SERVICE
Marc Egort, CPA, P.A. provides core accounting services as well as tax and business consulting. Services available throughout the country in many industries with a specialized focus in the home health care industry.
954-967-5678 | egortcpa.com
marc@egortcpa.com

MARY BETH LAKE, REALTOR®
Award winning Residential REALTOR® specializing in Cobb & Fulton Counties. Eight years of Atlanta Real Estate Experience, working by referral with fellow Ga Tech Graduates, Faculty and Friends.
404-384-4519 | marybethlake.com
marybeth.lake@harrynorman.com

HELL OF AN ENGINEER
With extensive industrial experience, in the pulp and paper, utilities and other process industries, Microfusion Engineering Laboratories, Inc. provides dynamic simulation and process control solutions.
770-475-5770 | microfusionlab.com
info@microfusionlab.com

THE ENGLISH PROJECT
866-255-6825 | hga-llc.com
information@hga-llc.com
Want to join the Tech Marketplace? Contact Betsy Rogers at (404) 894-0751 or betsy.rogers@alumni.gatech.edu.

MORI LUGGAGE & GIFTS
THE LEADER OF THE PACKED
Georgia Tech headquarters for luggage, briefcases, leather goods, travel accessories, pens & distinctive gifts.
Atlanta-Augusta-Birmingham-Jacksonville-Orlando
Naples-Tallahassee-Tampa-Nashville-Knoxville
Charleston-Charlotte-Greenville-Spartanburg
Charlotte, Greensboro-Asheville
1-800-678-MORI | moriluggage.com

PROJECT ESTIMATING
Nabors Consulting capabilities range from process plant project management, cost control, and capital estimating through computer modeling or manual.
215-292-6158 | Nabors-John@comcast.net

omNolia Technologies provides an advanced webinar solution with a unique combination of interactive tools, superb HD video and a remarkable ease of use that will take your webinars to the next level.
omnobia.com | 1-888-949-9618

Nabors Consulting capabilities range from process plant project management, cost control, and capital estimating through computer modeling or manual.
215-292-6158 | Nabors-John@comcast.net

omNolia Technologies provides an advanced webinar solution with a unique combination of interactive tools, superb HD video and a remarkable ease of use that will take your webinars to the next level.
omnobia.com | 1-888-949-9618

SETTING THE PACE OF INNOVATION

ENGINEERING SOLUTIONS FOR THE PHARMACEUTICAL PACKAGING INDUSTRY
If you are looking for an exciting career in the design and manufacturing of innovative world class automated packaging systems, check us out!
pharmaworks.com
Odessa, FL

NETWORK HARDWARE RESELLERS
At planIT HARDWARE, we offer up to a 50% list price discount on refurbished and new Cisco, HP, Dell, Brocade, and Extreme network equipment.
404-961-1152 | planithw.com
paul@planithw.com

At planIT HARDWARE, we offer up to a 50% list price discount on refurbished and new Cisco, HP, Dell, Brocade, and Extreme network equipment.
404-961-1152 | planithw.com
paul@planithw.com

With an international background and local experience, Kay is in the Top 3% of all agents worldwide of Prudential Real Estate Affiliates and was awarded Realtor of the Year in ’09.
678-570-0717 | KayMcInroe.com
Kay@KayMcInroe.com

Atlanta plumbing company specializing in residential, commercial and industrial services like waterlines, water heaters, leak detection and more. 24-hour complete plumbing services.
770-354-4594 | ridgewaymechanical.com
alan@ridgewaymechanical.com

B2B MARKETING AUTOMATION SOFTWARE PLATFORM
SalesFUSION’s features range from email marketing, nurture marketing, landing pages, social media publishing, lead scoring and website visitor tracking, we are well-positioned to support your multichannel marketing needs.
1-800-558-1760 | salesfusion.com
sales@salesfusion.com

B2B MARKETING AUTOMATION SOFTWARE PLATFORM
SalesFUSION’s features range from email marketing, nurture marketing, landing pages, social media publishing, lead scoring and website visitor tracking, we are well-positioned to support your multichannel marketing needs.
1-800-558-1760 | salesfusion.com
sales@salesfusion.com

The Right Webinar Solution for You

Nabors Consulting capabilities range from process plant project management, cost control, and capital estimating through computer modeling or manual.
215-292-6158 | Nabors-John@comcast.net

omNolia Technologies provides an advanced webinar solution with a unique combination of interactive tools, superb HD video and a remarkable ease of use that will take your webinars to the next level.
omnobia.com | 1-888-949-9618

omNolia Technologies provides an advanced webinar solution with a unique combination of interactive tools, superb HD video and a remarkable ease of use that will take your webinars to the next level.
omnobia.com | 1-888-949-9618

SEAN P. O’HANLON, ESQ., PLLC
703-829-7099 | seanpohanlon.com
info@seanpohanlon.com

SalesFUSION’s features range from email marketing, nurture marketing, landing pages, social media publishing, lead scoring and website visitor tracking, we are well-positioned to support your multichannel marketing needs.
1-800-558-1760 | salesfusion.com
sales@salesfusion.com

SalesFUSION’s features range from email marketing, nurture marketing, landing pages, social media publishing, lead scoring and website visitor tracking, we are well-positioned to support your multichannel marketing needs.
1-800-558-1760 | salesfusion.com
sales@salesfusion.com

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing

Ridgeway Mechanical
Atlanta Plumbing
Looking for a new job or a career change? Take a look at our Hiring Marketplace partners!

**ENERCON**

**EVERY PROJECT. EVERY DAY.**

ENERCON is an employee owned premier engineering design company with an outstanding reputation for innovation, responsiveness, cost-effective solutions, and technical excellence.

678-354-8357 | enercon.com
eramirez@enercon.com

**HUNTER**

**PUTTING TECHNOLOGY TALENT TO WORK!**

Atlanta’s Premier Technology Recruiting Firm. Founded by Georgia Tech Alumni Supporting the Georgia Tech Community. As Always, Go Jackets!

Twitter: @hrjobs | hrjobs.com
clint@hrjobs.com

**EVERYDAY MADE EASIER**

We run the everyday transactions that make your life easier.

ncr.com | ncr.com/about-ncr/careers

**BUILD YOUR FUTURE WITH GTRI**

The Georgia Tech Research Institute is the applied research and development arm of Georgia Tech. GTRI’s 1600+ scientists, engineers and other professionals solve the most difficult problems facing government and industry around the world.

404-407-7400 | employment@gtri.gatech.edu
com@gtri.gatech.edu/careers/opportunities

**SP Associates**

**KEY PEOPLE OR CAREER NEEDS**

Since 1994 we have had the privilege of placing 997 individuals from supervisor to president in textiles, fibers, nonwovens and composites. Call Gabe Hill for that special person or a career change.

888-488-6677 | spassociates.com
ghill@spassociates.com

**WANT YOUR COMPANY FEATURED HERE??**

Reach out to Betsy Rogers and sign up today!

404-894-0751
betys.rogers@alumni.gatech.edu

**BUZZ DOES!**

We run the everyday transactions that make your life easier.
Tech alumni excelling in creative fields isn’t a recent trend. Almost a century ago, Y. Frank Freeman, EE 1910, ascended from film producer to the head of Paramount Pictures, a position he held for two decades.

Freeman was honored with two Academy Awards, the first of them in 1957 when he received the inaugural Jean Hersholt Humanitarian Award. And in 1966, he received an honorary award for his distinguished service to the film industry.

Freeman, who also served as president of the Alumni Association from 1921-23 and died in 1969, donated the Oscars to the Georgia Tech Archives.

Have a Tech artifact to share? Send mail to Editor, Georgia Tech Alumni Magazine, 190 North Ave. N.W., Atlanta, GA 30313, or contact us by email at publications@gtalumni.org.
SAVE THOUSANDS IN CREDIT CARD PAYMENTS

Get a fixed rate personal loan.
Great rates. Easy online application.
Apply Now!

www.prosperGT.com
A Nude Awakening

Tom Ventulett, Arch 57

An artist reflects on his first masterpiece.

While studying architecture at Tech, much of my work and that of my classmates went into developing as artists. In order to refine our skills, we had a life-drawing course at the High Museum with a female model, Bernice.

Bernice was no raving beauty, but she was nice, and she was naked. This meant that my drawings of Bernice attracted much attention from my fraternity brothers.

By that time, I’d enjoyed being art editor of the Yellow Jacket magazine (a risqué underground publication banned from campus during my tenure—not my fault!), the Georgia Tech Engineer magazine and the Technique campus newspaper. That earned me a reputation of being some kind of artist, so I was constantly asked to do drawings or paintings for various events such as fraternity homecoming displays and Wreck designs for the Ramblin’ Reck Parade.

I moved into the SAE fraternity house my senior year, and my new roommate, Don Phillips, EE 58, immediately asked me to brighten our room by painting a reclining nude on the wall by his upper bunk. The painting was to be of no one in particular as long as she was beautiful and life-sized.

Sketches found approval, and I painted the lady using gouache, a finely ground watercolor pigment. She lay on her side, resting on her elbow and staring out through eyes that followed you everywhere in the room.

That also happened to be the year I married my wife, Beth, so I moved out of the fraternity house after the fall quarter—which made it easier to shield her from my lewd creation.

After completing my fifth year in architecture, I never saw the painting again. But more than 20 years later, the brother of my son-in-law, Tommy Holder, IM 79, occupied the same room and testified that the figure was still there, surviving numerous paint jobs to the room, each carefully worked around this valued piece of art.

I’ve heard the painting has since been painted over. I now enjoy the challenges of painting various subjects with transparent watercolor. At times I contemplate painting nudes. My wife says my heart couldn’t stand it, but it might be worth a try. //

Tom Ventulett is an architect and a renowned watercolor painter.

Time Machine

5 years ago, in 2008, young alumni raised funds for Roll Call by rappelling 36 stories down the side of an Atlanta skyscraper.

10 years ago, in 2003, the Ford Environmental Science and Technology Building opened on campus.

25 years ago, in 1988, a statue of John Heisman was placed near the Old Gym.

50 years ago, in 1963, Dress Her in White and Gold, a history of Tech written by Georgia Tech Alumnus editor Bob Wallace, was published.

75 years ago, in 1938, Tech’s 9,917 alumni lived in every state except Idaho, Nevada and New Hampshire.

100 years ago, in 1913, dynamite blasts shook campus as construction of the football stadium’s west stands began.

125 years ago, in 1888, the Georgia School of Technology opened its doors to students.
When people ask me why I stopped dancing, my answer is easy: I wasn’t that good. Not good enough to make myself happy, at least. After dedicating more than 20 years of my life to ballet, I was good enough to be pro—but not good enough to be the princess. And who wants to be a tree in the background for the rest of their life? I didn’t.

Ballet is, and always will be, the most beautiful thing to me—to see and to feel. It is spiritual. But the automaton performative aspect was my least favorite. I felt disposable—any other body placed in the right position on the right note could fulfill what was expected of me. I wanted more. I wanted to be part of the thinking and making side of creation.

Architecture and design filled those desires. I had two semesters left at Tech when I finished dancing with Atlanta Ballet. Part out of circumstance, and part out of genuine curiosity about profit structures in the arts, I chose to finish a degree in management while taking a few design classes. In those courses, something in me clicked. For the first time in my life, the work I put in yielded incredible rewards. I finally had an outlet where I could communicate ideas. Unlike ballet, where I had to use my body to communicate a story, an emotion or to entertain, I could use instruments outside of myself for expression. It was liberating. I finished my degree in management and moved into the master’s of architecture program.

I’m now a junior designer at Diller Scofidio + Renfro, an architecture firm in New York City. Despite feeling freed from dancing’s creative limitations, I attribute the majority of my success in architecture to my dance background. Both disciplines explore similar themes: line, balance, proportion, procession, presentation, technique, style, space/time, etc. The nuanced beauty I learned in ballet translates directly to what is often desired in architecture.

Yet what makes architecture so much richer and challenging is how it extends beyond the problem of creating beauty. Architecture operates across many disciplines, digging deep into culture. It uses the practice of building and making things as a way to question how humans operate in the world. Often, one of the partners of my office asks us to “pervert” our design, to make something that reveals what people would usually expect and hopefully expose an unappreciated truth in a new way.

Still, architecture isn’t completely satisfying. In some ways my frustrations with ballet continue: As a designer for a “starchitect,” I am still executing someone else’s vision. Staring into a computer for 12-plus hours a day is exhausting. If dance was too physical, architecture is too intellectual. What interests me now is how I might fuse what I value most in each discipline: What would it mean to create movement that exposes culture or unexpected truths? How could I make space that makes people feel—on an emotional/spiritual level? Luckily, I have some time to figure that out.

An architecture career began at the barre.

Merica May Jensen, Mgt 08, M Arch 11

Merica May Jensen lives in New York City.
MORE THAN
32,000
PROUD RAMBLIN’ WRECKS
DEMONSTRATED THEIR BELIEF IN
Georgia Tech
BY PUTTING THEIR NAMES ON THIS LIST.
Did you?

CHECK THE LIST OF DONORS HERE:
gtalumni.org/donors

Make your gift to the 67th Roll Call: gtalumni.org/giving
ROLL CALL, GEORGIA TECH ALUMNI ASSOCIATION
190 North Avenue | Atlanta, Georgia 30313-9806 or call (800)GT-ALUMS
Georgia Tech Alumni Association has partnered with Capital One® to offer you three credit card options to fit your needs. Choose a card that earns you great rewards, one with a low introductory APR or another to help build your credit. Plus, you can choose an image for your card that reflects your pride for GT. Apply today!

EARN MILES AND GET BUZZING

www.gatechcard.com

Credit approval required. Terms and conditions apply. Offered by Capital One, N.A.. © 2011 Capital One.