

CAMPUS LIFE

Technique • Friday, June 29, 2001

Want to catch a show?

DramaTech presents *Arms and the Man*, a comedy about love and war, by George Bernard Shaw, from July 6-21 at DramaTech's Dean Dull Theatre. Page 11

Chandler Stadium falls

Students give their final farewells to the Russ Chandler Baseball Stadium. See the photos in Sports. Page 16

Need money? Get a summer job

Whether saving for that dream vacation or for next semester's books, the summer provides students with an opportunity to earn some extra cash with a part-time job.

By Josh Boutwell
Staff Writer

It's May, you just got out of your last final, Organic Chemistry is over, you've conquered physics and you have time to forget calculus. But you decided to stay in Atlanta for the summer semester. The summer break is calling, but you now need a job. Whether it is for extra spending money or to buy books for fall semester, now is the time to look.

There are many places to locate a job in the surrounding Atlanta area. First you must decide what you're looking for. Tech provides many opportunities for part-time employment.

Perhaps the most obvious place to look for a job is at the Student Center. They're currently looking to fill several positions, from the Craft Center to the MOVE Office.

These positions typically start at minimum wage (five dollars and fifteen cents per hour), however if you have managerial experience, the starting wage could be as high as seven dollars and twenty-five cents an hour.

Another excellent place to find a job is at the Georgia Tech Office of Human Resources. This web site, www.ohr.gatech.edu provides a listing of job openings available. While most positions on this list are not for Tech Students, there are a few open.

Another good place to look for a position is at the library. If you find

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By Robert Hill / STUDENT PUBLICATIONS
Shadab Saboori, a Chemical Engineering major at Tech, works a part-time job at Apre Diem in Buckhead. The service industry is the largest employer of college students in the summer.

Campus Research Review

Quiet Machines

By Benjamin Small and Joe Gezo
Still Strangely Charmed

It's time we discuss something big and mechanical, so we chose helicopters as the topic of this week's column.

Professor Lakshmi Sankar in the School of Aerospace Engineering is the director of the Center for Excellence in Rotorcraft Technology (CERT). But what the heck's a "rotorcraft"? It's just fancy aerospace jargon for a vehicle powered by something that spins, like a helicopter. Even if you're not old enough to remember the airlift of Saigon, you've probably seen a helicopter before and thought it was pretty darn cool. But you couldn't have missed the terrific noise that one of these monstrous machinations produces. This is exactly the problem that professor Sankar and his research group are attempting to resolve—how to make helicopters less obnoxiously noisy.

The principal source of noise arises from the high speed at which the blades are rotating; they can travel up to Mach 0.8 or 600 miles (1000 kilometers) per hour. That sure is fast. At the very tip of the blades, some interesting things happen—most importantly, vortices form. What the heck is a vortex? Well, it's sort of like a miniature hurricane of rotating air. These things hold lots of energy in the form of angular momentum (you remember that stuff from parti-dy, right?), much

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Up, up, and away with *Black-Man*

By Emily Cavender
Still with tricks up my sleeve

Comic books generally contain a predominantly Caucasian cast of characters, but Shawn Askew, a Georgia Tech Aerospace Engineer, is determined to avoid this eurocentric tradition and popularize more progressive themes with his creation, *Black-Man*.

"The comic industry is overwhelmingly Caucasian. That's not to say that African-Americans won't read comics with white characters, but I get a lot out of stories that are relevant to the African-American community," Askew said. "I want to cover issues that white America doesn't see or know about unless someone presents it to them."

Black-Man is the story of Craig Johnson, a 20-year-old engineering student at Terminus Polytechnic Institute who has heightened senses, increased physical stamina, strength, muscle mass, and vastly superior intelligence and quick reasoning abilities.

Due to several events in his personal life and underlying racial tensions at Terminus, he has decided to put his skills to good use as *Black-Man*—"The Original Man in Black". He occupies the traditional protagonist role as an enemy to all forms of evil but also seeks victory over discrimination. The character is simultaneously trying to stay on the Dean's List and keep his girl happy.

In 1997, Askew founded the CQ Comics Group to facilitate small-press comic book publishing. CQ's work is geared primarily towards the black community, though not exclusively, embracing all who appreciate good sequential art and realistic storylines.

Askew's main objective, however, is to introduce and maintain professionalism in the small-press comic market for minority groups.

Black-Man's first appearance was in Grissom High School's student newspaper, the *Imprint*. Shawn received a very positive response to his publication so he sought suggestions from comic professionals, most of whom agreed that *Black-Man* had a lot of potential.

"Contrary to the possible first assumption, I didn't create *Black-Man* as a vehicle to take my discrimination-fueled frustrations out on whites. *Black-Man* was the synthesis of a good, catchy character name and my desire to see more traditionally underrepresented ethnic groups in comic books," Askew said.

Most professionals agreed, however, that the comic needed refinement. "I knew I was on to something there, I just didn't know how much time I would have to play around with it," said Askew.

The character was first published under the name "*BlackJack* in the *Virgil I*," but Shawn's vision underwent several changes before being finalized in 1997 under the banner of CQ Comics.

Reinvigorated, Askew talked to more comic professionals for advice and suggestions. Dwayne McDuffie provided him with great feedback as the main publisher behind Milestone Comics, noticeable in the industry as a black-owned multimedia company that signed a deal with DC comics in 1992 to publish a line whose central characters are minorities. Being an avid Milestone comic reader himself, Shawn embraced McDuffie's advice and sugges-

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Buzz Around the Campus



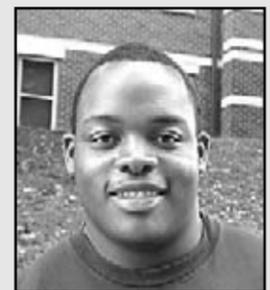
Question of the week:

"What are you doing for the Fourth of July holiday?"



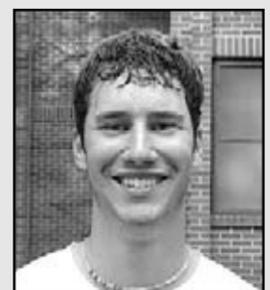
Kathryn Hutson
ID Senior

"Hot dogs, hamburgers and fireworks!"



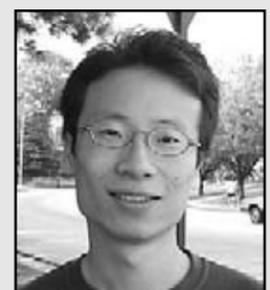
Lakeith Hughes
IE Junior

"I'm studying so I can get out of school."



Adam Massee
BC Senior

"Having fun with my family."



Youngki Lee
AE Grad

"Preparing for tests and team projects."

Feature and photos by
Alisa Hawkins

Comic

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tions. The publisher noted that his script writing was especially strong but encouraged him to continue improvements in his artwork.

"If you ask any comic book self-publisher what he or she wants, [they] will say Superman," Askew said. "What I really want is to put out good stories and develop a loyal readership base. I want people to enjoy reading it on a regular basis. I like to tell stories with sequential art—love to do it. My main goal is to entertain people with a character in a unique setting with a great storyline."

In 1999, Shawn created the website for *Black-Man*, <http://www.cqcomics.net>, with positive results. Other minority artists contacted Askew stating that they too were attempting to establish a comic book geared towards a minority audience.

Askew, who writes, co-pencils, inks, colors, partially letters, and edits *Black-Man*, put out an "ashcan"—or preview issue—of the comic, and distributed it to local bookstores in the Atlanta area. Askew decided to self-publish his preview issue, writing his own scripts, composing his own art and marketing his comic. Issues are usually self-composed, then scanned, and finally a "galley"—or final product—is printed out and taken to a printing facility and published with the personal budgets of the freelance artists. The comic is being previewed in four Atlanta bookstores and the first issue will be coming out in October 2001.

Shawn Askew and Rick Bonilla will be previewing the first issue at Atlanta's 2001 DragonCon comics and sci-fi convention Labor Day weekend, August 31 through September 3. *Black-Man* will be published quarterly with a cover price of \$2.50; *Black-Man* #1 is expected to be on shelves and available through the website in Fall 2001.

Research

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like a rotating wheel. Even worse, because vortices are so stable, they can hang around until the next blade passes through, causing lots of vibration and noise. And that's bad—we don't want the helicopter to shake; we want the helicopter to be as stable and quiet as possible. It turns out that we can greatly affect the nature of these vortices by adjusting the angle of the helicopter blades as they rotate.

So Dr. Sankar and his research group run complicated computer simulations and try to find ways to improve the efficiency of rotorcraft. They essentially apply the Navier-Stokes equations (if you've taken a fluid dynamics course, you've probably grown to hate these) to millions and millions of individual points in space in the neighborhood of the blades. This procedure obviously requires some behemoth computing machinery.

Obviously, the U.S. Army would be greatly interested in this research, since they're always trying to make helicopters that can go faster, carry

more load, and land and take-off more easily.

Moreover, the findings of this research can easily be applied to other systems that contain rotating blades like jet engines, compressors, turbines, and even vacuum pumps. Similar turbulent situations arise in these systems called "surging," which can lead to catastrophic failure of the equipment. We definitely want to prevent this from happening, and this research contributes to that effort. Perhaps most importantly, these analyses can help make more efficient windmills for electrical power generation, and we all want to make electricity more available.

Professor Sankar makes a point of working with undergraduate students, so we would certainly advise you to contact him at lsankar@ae.gatech.edu if you're interested in this sort of work and have completed AE 2020 or equivalent. His web page at <http://www.ae.gatech.edu/~lsankar> contains a whole lot of information on these topics.



By Alisa Hawkins / STUDENT PUBLICATIONS

Professor Lakshmi Sankar in the School of Aerospace Engineering is the director of the Center for Excellence in Rotorcraft Technology (CERT).

Campus briefs**American Red Cross solicits donors at Georgia Tech**

The American Red Cross will be at the Student Center on Tuesday, July 10 and Wednesday, July 11, from 10:00 a.m. until 4:00 p.m. for those interested in donating blood. The drive is sponsored by the Co-op Club and the MOVE Office so please contact either John Rafferty at gte287e@prism.gatech.edu, or Renee Villa at sc26@prism.gatech.edu, 404-894-2805, for more information.

Casino Night rolls in offering excitement and prizes

Win prizes and learn casino games Friday, June 29 at the Center Street Apartment Activity Room. Games will run from 6:00 p.m. until 9:00 p.m. Contact John Rafferty at gte287e@prism.gatech.edu for more information.

DramaTech presents "Arms and the Man" at Dull

DramaTech opens *Arms and the Man*, a comedy about love and war, by George Bernard Shaw, on July 6. Presented at DramaTech's Dean Dull Theatre, curtain is at 8:00 p.m. on July 6, 7, 12, 13, 14, 19, 20 and 21. Tickets are \$4 for students, \$6 for Tech faculty and staff and \$8 for the general public. Call 404-894-2745 for reservations and 404-894-3481 for general information.

Technique columnists looking for research topics

Are you doing research on campus? Do you think you can handle our abusive interrogations? Our contestants are decided in a weekly full-contact Parcheesi tournament. For more information, contact Benjamin Small at bas@isentrope.org or Joe Gezo at mojo@sps.physics.gatech.edu. Heck, if you're an undergraduate looking for any kind of research opportunity, let us know.

Write for the Technique Campus Life Staff!

Like to write? Like to know what's going on? Want to make a difference on campus? Then write for the *Technique*. In addition to meeting new people, you'll be able to interact with administrators and faculty on a professional basis. Want to know why we don't have "hard-hitting news?" It's because we don't have enough writers.

Job

from page 7

work at the library, expect to work a minimum of 10 hours a week shelving books or photocopying articles. However there are even better jobs to be had through Tech.

The Cooperative Education Program at Georgia Tech is the largest optional Co-op program in the United States. It ranks fourth among all Co-op programs and is exceeded in size only by mandatory programs. Roughly thirty-eight percent of students participate in this program. The program boasts more than 600 different employers throughout the United States annually, among them Southern Company, Georgia Tech Research Institute, IBM, Delta Air Lines and BellSouth.

However, this is not just a summer job. The Co-op program is designed to alternate with a standard school schedule. Unfortunately, it is too late to apply for any Co-op positions for this summer, but students might keep this in mind for later semesters.

The city of Atlanta also has a large number of jobs available for students. There are literally hundreds of businesses within easy walking distance of Tech campus. Two businesses deserve special notice. The first and best known is the Varsity near East Campus. This fast food restaurant employs a large number of Tech students to make the wings, burgers and hot dogs for which the historic landmark is known.

On West Campus there is the new City Cafe Diner. The restaurant is open twenty-four hours a day, seven days a week, which provides many employment opportu-

nities for students on a college schedule. Currently, the diner employs two Tech students, however it has employed several more in prior semesters.

To travel away from campus, many students rely on MARTA. Tech is served by two MARTA stations, North Avenue on East Campus and Midtown near West Campus. Using the rail system, Tech students can easily get to several malls, including Lenox, Phipps and Perimeter, a huge employment opportunity for college students. Plus, students at Tech can get a discount on month-long rail passes at the Student Center Box Office. Passes cost thirty-seven dollars as opposed to more than fifty-two for the regular public.

If you have a car, the options increase dramatically. There are many companies close to Tech but out of range for foot travel. Midtown Plaza is a perfect example. This relatively new shopping center has several large stores like Home Depot, Borders, Staples and Pet Smart. These companies all employ Tech students. Plus they are only a five-minute drive from East Campus.

While there are many places a Tech student could find employment, there are several important things to remember. First, employers prefer to hire people for more than just the summer. Second, write a resume, summer employers want to evaluate your qualifications like any other employer. Finally, always call back any company where you interview. Good interviewing etiquette is always a must.

GEORGIA TECH CAREER FAIR 2001

Committee Members

Get On The Inside Track To The Fair!

HERE'S WHY YOU SHOULD GET INVOLVED:

- LOOKS GREAT ON YOUR RESUME
- GET TO MEET THE RECRUITERS ON A-1 BASIS BEFORE ANYONE ELSE
- ATTEND THE CAREER FAIR BANQUET - NETWORK
- OFFICERS/COMMITTEE MEMBERS ARE INCLUDED IN RESUME BOOKS VIEWED BY THE COMPANIES
- HELP ORGANIZE ONE OF THE MOST IMPORTANT EVENTS THAT TAKES PLACE AT GEORGIA TECH

PHONE (404) 897-2742

FAX (404) 894-4545

career.fair@success.gatech.edu

www.prism.gatech.edu/~cfair