Midtown Rotary
August 27, 2013

G.P. "Bud" Peterson
President
Master's Program Is a New Frontier in Studying Online

Virtual U
Higher Ambitions

Articles in this series are examining free online college-level classes and how they are transforming higher education.

Online

Zvi Galil, the dean of the College of Computing at the Georgia Institute of Technology, the institute plans to offer a master's degree in computer science through massive open online courses, or MOOCs.

Newly installed U.S. Commerce Secretary Penny Pritzker calls Atlanta a 'vibrant ecosystem'

Penny Pritzker, after visiting with several local executives and entrepreneurs, said Atlanta had a "vibrant ecosystem" with a "great sense of optimism."

Pritzker was in Atlanta as part of her first 100-day nationwide listening tour to engage with business, academic and thought leaders to hear concrete ideas on how the public and private sectors can work together to the economy.

While in Atlanta, Pritzker had Thursday night with Mayor Kasim Reed who they discussed business opportunities in the city as we build a new stadium for the Atlanta Falcons.

On Friday morning, Pritzker had a meeting with Mark McInkirk, director of operations of the Global Center for Medical Innovation, shows Penny Pritzker it.

Sebastian Thrun, a founder of a Silicon Valley MOOC provider, said he and Google have teamed up to offer the first mass graduate course, which will cost students $6,900, far less than the $45,000 that it would on campus.
Welcoming our new freshmen
Today’s Focus

- How we are preparing our students to be leaders and innovators
- The growth of an innovation ecosystem in Atlanta to strengthen our economy
- How innovation is changing the role of our universities and the way we teach
Creating a Climate of Innovation

GE's SMART GRID CHALLENGE
FOR GEORGIA TECH GRADUATE STUDENTS

Are you ready to put your skills to the test?
GE's Smart Grid Challenge is a fully-funded hands-on research team competition.

As part of a larger strategy, GE is offering the following program to further advance smart grid technologies and methodologies in the Atlanta area. The Smart Grid Challenge Program is an opportunity for graduate and post graduate level students to help solve real world, applicable problems while developing their own innovative and collaborative skills.

PURPOSE/OBJECTIVES
To meet the approaching industry demand for experienced Electrical, Power Systems, and Systems Engineers, we want to offer intelligent, self-motivated students the opportunity and experience to develop the required skills to solve the challenges that the smart grid presents. We

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About the Studio
The Invention Studio is a student-run design-build-play space open to all Georgia Tech students. It is staffed by the Georgia Tech Invention Studio student advisors who are always on hand to train you and help with your project. One of the studio’s focus is free, and all ages and years are welcome.

The Invention Studio is unique in that students are empowered to "own" the space. GE's undergraduates (lab instructors) and other students in the use and maintenance of the lab, ensuring that the resources remain available to those who wish to use them. To promote and reward creativity, there are the strict rules in the Invention Studio. Rather, we promote an ethos of responsibility, safety, and communal ownership. In this way, students can explore and develop unconventional ideas in a supporting environment.

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Talking Tech — Atlanta is “Hotlanta for tech startups”

“. . . Local university Georgia Tech has 40 companies working at its Advanced Technology Development Center, which it calls the largest and oldest campus-based tech incubator in the nation. It, too, has a waiting list of 21 companies wanting to participate.”
Creating an Innovation Ecosystem

- Bringing together resources for innovation
- ATDC ranked one of 12 business incubators that are changing the world.
  - Helped launch 140 companies, created thousands of jobs
- VentureLab ranked No. 2 globally by UBI Index
- Identified as NSF I-Corps Node
- Working with Midtown Alliance
- Panasonic Innovation Center, Penguin Computing, AT&T Foundry innovation center
Technology Assisted Learning

400,000
Georgia Tech MOOC enrollment, first 12 months

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ECE’s Magnus Egerstedt taught robotics to 40,000 students
“Georgia Tech’s announcement is probably a game changer that will have other top-tier universities that offer degrees in computer science scrambling to compete.”

Asa Sphar
VP of Recruitment and Profiling, CSI Executive Search, LLC
Today, American institutions of higher learning are expected to:

- Ensure that graduates are both employable and prepared to adapt and lead in an ever-changing world that many times requires an interdisciplinary approach to developing solutions to grand challenges.

- Move our research from the bench top to the consumer quickly in order to enhance economic development of the region and nation to create more jobs.

- Be global in nature and to provide lifelong learning opportunities for the world using advanced technology.
Georgia Tech

- Founded as a partnership with industry.
- Graduates are in demand.
- Innovation is entrenched in our culture.
- Creating more start-ups and jobs than ever before.
- We serve a global community:
  - 43% of undergraduates have an international experience before graduation.
  - Georgia Tech has become one of the most globalized universities in the world, with partnerships in more than 30 countries, campuses and operations in France, Ireland, Costa Rica, Panama, and China.
Your Turn — Questions & Discussion