Dear CSE Students:

Welcome to the second newsletter of the Summer 2016 semester.

**Message from the CS and CpE UG Advisor:** Any of you who still have gaps in your Fall courses should see me in ENB 344F as soon as possible—time is running out! My Summer office hours are Mondays, Wednesdays, and Fridays 11am-4pm. Best of luck to everyone on Summer finals!

**Message from the IT UG Advisor:** Your fall schedules should be set by now. Remember, if you haven't finished IT Intro to Databases, IT Programming Fundamentals, IT Object Oriented Programming or IT Discrete Math those courses are your top priority. Failure to complete these courses in a timely manner could delay your degree progression. If you are planning to take a substitute course for any IT course, it needs to be approved ahead of time. If you are at the point where you are eligible to take IT electives, make sure you are enrolling in IT departmental courses. Out-of-department electives need to be approved ahead of time.

**Message from the Grad Program Assistant:** Summer commencement will be Saturday, August 6th. If you are planning on graduating Fall 2016, department applications are due July 29th by 5:00pm. If you are a Ph.D. student and plan on taking the Qualifying Exams, sign-up sheets are due August 26th by 5:00pm.

Attached are announcements for the following (please note that this listing does not imply University or Department endorsement in any way):

- Fall Data Science Fellowship Opportunity
- $10 million in Cisco Global Cybersecurity Scholarship
- Teach a Computer Literacy Course in Bolivia
- Oversees Teaching
- DHS Positions for MS and PhD Graduates
- Internship Opportunity at Boson Software
- Junior Developer at PeopleGuru, Inc. – Tampa, FL
- Local Tampa Bay Startup Seeking Mobile Developer!
- Start @ a Startup Conference

Regards,

Ken Christensen
Director of the Undergraduate Program (and Newsletter Editor)
Email: christen@csee.usf.edu
Fall Data Science Fellowship Opportunity

Our next Data Science Fellowship has begun and the application is now open. We'd really appreciate if you could spread the word to your students through posting or through a newsletter again. We really appreciate your continued support!

**Program:** The Data Incubator is an intensive 8 week fellowship that prepares Masters, PhDs, and postdocs in STEM + social science fields seeking industry careers as data scientists. The program is free for Fellows and supported by sponsorships from hundreds of employers across multiple industries. In response to the overwhelming interest in our earlier sessions, we will be holding another fellowship.

**Locations:** There will be both an in-person (in NYC, DC, SF) and online section of the fellowship.

**Dates:** All sections will be from **2016-09-06** to **2016-10-28**

**Application Link:** [https://www.thedataincubator.com/fellowship.html#apply](https://www.thedataincubator.com/fellowship.html#apply)

**Who should apply:** Anyone within one year of graduating from a masters or PhD program or who has already obtained a masters or PhD is welcome to apply. Applications from international students are welcome. Everyone else is encouraged to [sign up for a future session](https://www.thedataincubator.com/fellowship.html#apply).

**Data Science in 30 minutes:** Learn how to build a data-science project in our [free Data Science in 30-minutes webcast](https://www.thedataincubator.com/fellowship.html#apply). Signup soon as space is limited.

You can read about our [latest alumni](https://www.thedataincubator.com/fellowship.html#apply) working at the [New York Times](https://www.thedataincubator.com/fellowship.html#apply) or [Palantir](https://www.thedataincubator.com/fellowship.html#apply). For additional information, checkout our [blog](https://www.thedataincubator.com/fellowship.html#apply), [Venture Beat article](https://www.thedataincubator.com/fellowship.html#apply), or [Harvard Business Review piece](https://www.thedataincubator.com/fellowship.html#apply).

Sincerely,

Michael Li
Postdoc, Cornell
[michael.li@thedataincubator.com](mailto:michael.li@thedataincubator.com)
Expand your Career Opportunities

$10 Million in Cisco Global Cybersecurity Scholarship!

In the new digital era, organizations rely on cybersecurity to protect themselves, enable trust, move faster, add value, and grow. As the volume and sophistication of cyberattacks rises, organizations are experiencing a significant shortage of IT professionals with cybersecurity skills.

To help close this security skills gap, Cisco is introducing the Global Cybersecurity Scholarship program. Cisco will invest $10 million in this two-year program to increase the pool of talent with critical cybersecurity proficiency. Cisco also has enhanced its security certification portfolio with a new Cisco Certified Network Associate (CCNA) Cyber Ops certification (https://learningnetwork.cisco.com/community/certifications/ccna-cyber-ops) and a revised Cisco CCIE Security certification (https://learningnetwork.cisco.com/community/certifications/ccie_security).

Cisco will offer training, mentoring, and certification designed to hone the skills needed in the security operations center (SOC) analyst job role. The new CCNA Cyber Ops certification and the CCIE Security revisions are designed to address the critical skills deficit, providing the job-ready knowledge needed to meet current and future challenges of network security.

Scholarship awards are available from August 1, 2016, until the end of July 2017.

Take the first step today toward a rewarding career in cybersecurity. Partner with Cisco and become one of the talented cybersecurity professionals now in high demand in nearly all industries.

Scholarship Award Details

- The instructor-led e-learning training consists of two courses and two assessments, along with mentoring and coaching, representing a significant monetary investment in your career.
- The value of a standard instructor-led course offering from an Authorized Cisco Learning Partner is equivalent to several thousand U.S. dollars.
- Mentoring and exam preparation are included.
- The cost of all exam fees is included.

Qualifications

To be considered for a scholarship, applicants must have these qualifications:

General:

- At least 18 years old
- English proficiency

Basic competency (one or more of the following):

- Cisco certification (Cisco CCENT certification or higher)
- Relevant industry certification [(ISC)2, CompTIA Security+, EC-Council, GIAC, ISACA]
- Cisco Networking Academy letter of completion (CCNA 1 and CCNA 2)
- At least three years of combined experience in approved U.S. military job roles (https://mkto.cisco.com/rs/564-WHV-323/images/Global-Security-Scholarship-Top-12-Military-
Specialties.pdf
- Windows expertise: Microsoft (Microsoft Specialist, MCSA, MCSE), CompTIA (A+, Network+, Server+)
- Linux expertise: CompTIA (Linux+), Linux Professional Institute (LPI) certification, Linux Foundation (LCFS, LCFE), Red Hat (RHCSA, RHCE, RHCA), Oracle Linux (OCA, OCP)

Candidate acknowledgment:
- Planning a career in IT cybersecurity
- Prepared to complete training in three months
- Willing to share a success story

Get Your Career Started Now!

Complete the form at the right to start the sign-up process. If you’d like further information first, we invite you to:

- Read a detailed FAQ (https://mkto.cisco.com/rs/564-WHV-323/images/Global-Scholarship-FAQs-161013.pdf) about the Cisco scholarship program
- Watch the video (https://www.youtube.com/watch?v=L2iCDFkGcE0) with Cisco’s executive vice presidents discussing the program
- Read the Cisco blog (http://blogs.cisco.com/security/cisco-10-million-cybersecurity-scholarship) about cybersecurity

Please contact us (http://ciscocert.force.com/english) if you have specific questions.

Learn more about the program from Cisco's EVPs.

Sign Up for the Scholarship Today

First Name: *

Last Name: *

Email Address: *

Country: *

Select...

Cisco Certification Status: *

Not yet certified but...

Profession:
Teach a Computer Literacy Course in Bolivia

We are offering a basic computer literacy course from October 3-November 18, 2016 at our institution. We pay $2,850 U.S. for the class and provide the following benefits:

1. Airline ticket
2. Health insurance
3. Furnished apartment or hotel
4. Breakfast
5. Reimburse all visa costs

The payment for the class is tax free in Bolivia.

This would be a great opportunity for a recent graduate with a M.S. or M.A. to teach a college course overseas.

Please let me know what I would have to do to post this position at your Placement Center or contact a Dean of Computer Technology at USF:

I appreciate your help with this matter.

Regards,

Bill McKelligott
bjmckscic@gmail.com
Oversees Teaching

Teaching Opportunity: Computer and Internet Literacy

The International University of Santa Cruz (IU) is seeking a professor to teach CGS1060C (Computer and Internet Literacy) online.

IU is Broward College’s international center located in Santa Cruz, Bolivia. The course will be delivered real time through the “face to face” meeting program, iMeet. The professor is not required to come to class on-campus in Bolivia.

The class will meet Tuesdays and Thursday from 9:00am-12:30pm EST between October 3 and November 17, 2016 (During the final two weeks, the class will run from 8:00-11:30 EST as we do not have daylight savings in Bolivia). Professors should be available during those times to deliver the “face to face” lecture.

As we are a SACS accredited institution, all courses should comply with the Broward College approved course outline. The syllabus for the course will be reviewed by IU prior to the delivery of the course.

The total compensation for the course is $2,850 paid as a grant.

The payment will be paid in 2 installments: One midway through the course, and the other once grades have been submitted.

This is also a wonderful way to learn about Broward’s international programs and work with a diverse student body (and relatively small classes!).

CONTACT: IU Academic Coordinator, Brian McCommons at bmccommo@broward.edu.
DHS Positions for MS and PhD Graduates

The Department of Homeland Security (DHS) is responsible for safeguarding our Nation’s critical systems from physical and cyber threats that can affect national security, public safety, and economic prosperity. As technology becomes increasingly more sophisticated, the demand for an experienced and qualified workforce to protect our Nation's networks and information systems has never been higher. This opportunity targets students pursuing a higher level graduate program leading to a Master’s degree or Ph.D. in a field of computer technology (computer science, engineering, information science, information systems management, mathematics, operations research, statistics, or technology management).

Interested applicants may select the following link for more information:

Information Technology Specialist (INFOSEC) GS-2210-09/11

Vacancies are located throughout the Washington Metro area. A list of DHS components appears below.

- U.S. Citizenship and Immigration Services (USCIS)
- U.S. Customs and Border Protection (CBP)
- U.S. Coast Guard (USCG)
- Federal Emergency Management Agency (FEMA)
- U.S. Immigration and Customs Enforcement (ICE)
- U.S. Secret Service (USSS)
- Directorate for Management, Office Chief Information (OCIO)
- Directorate for Management, Chief Security Office (CSO)
- National Protection and Programs Directorate (NPPD)

Key Duties

- Providing support of ongoing IT projects and programs that have a significant impact on the delivery of National Security Systems.
- Consulting with IT security experts in developing communications to inform customers, solve problems and instruct them in taking necessary actions for security compliance.
- Providing advice relative to system security upgrades or enhancements.
- Participating in projects to prototype and pilot new system security concepts and enhancements.
- Assessing new systems security design methodologies to improve quality or compliance with policy.

Key Requirements

- You must be a U.S. citizen to apply for this position
- You must successfully pass a drug screen
- You must successfully pass a background investigation
- Selective Service registration required
- You must successfully obtain security clearance if applicable
To learn more about the Information Technology Specialist (INFOSEC) vacancy and how to apply please visit:

https://www.usajobs.gov/GetJob/ViewDetails/440656100

Thank You!

The Department of Homeland Security
Internship Opportunity at Boson Software

Are you seeking an internship opportunity in a dynamic software development environment, where each team member’s input is valued, and where you can see the results of your work in a product that is the leader in its market? Would you be interested in learning about leading-edge technologies such as virtualization, cloud and mobility? If so, perhaps an internship with Boson Software is the opportunity you’ve been looking for.

Boson Software is a small, privately held software development company with over 15 years in our industry. Our ideal candidate will be working with our Tampa (Oldsmar), FL–based NetSim development team on projects related to that application. Our development environment is primarily based in Microsoft technologies including the .NET Framework, SQL Server, SQL Server Compact, WPF, C#, VB.NET, Web Services and VB6. Knowledge of routing and switching technologies and experience with Cisco IOS a huge plus.

Qualified candidates will be comfortable working with a small, agile team and handle multiple projects/tasks simultaneously. Must be a motivated, fast learner. Our developer candidates will have attained or are pursuing a degree in one of the computer sciences. Other relevant degrees with verifiable experience in the required technologies may be considered.

Students interested in an internship with Boson Software should contact Lisa Schmidt at lisa.schmidt@boson.com or by telephone at 813-925-0700.
Junior Developer
PeopleGuru, Inc. - Tampa, FL

Job Responsibilities

- Software design and development of new products.
- Software development for planned enhancements of products.
- Maintenance and support of source code for products.
- Learn and understand business rules and translate into leading solutions.

Job Qualifications

- Development experience with the .NET development suite (ASP.NET, VB.NET).
- Development experience with JavaScript, Ajax, bootstrap, or jQuery.
- SQL Server development of stored-procedures, functions, triggers.
- Crystal Reporting experience a plus.
- Excellent written and verbal communication skills.

Job Type: Full-time

Local candidates only:

- Tampa, FL 33629

Required education:

- High school or equivalent

All applicants must be authorized to work in the USA

Send resume at jobs@peopleguru.com
Local Tampa Bay Startup Seeking Mobile Developer!

We are looking for developers for a mobile application for IOS and Android devices. This is a contracted position, that could very well transition into a full-time position with our company. The applicant must be familiar with at least one of the following: Java, C#, Swift or React Native. Any previous related work and/or management experience is a plus, though not required.

All interested candidates should send us their resume via email to jeremyberger@mail.usf.edu

We are also available anytime by phone at 847-212-2022. We thank you in advance for your interest.
Hello,

My name is Patrick Zeng, and I am a student at Princeton University and Business Today’s Assistant Director of Marketing. This year, in conjunction with Sequoia Capital, Business Today is hosting the 2016 Start @ a Startup Conference, our annual startup networking and recruiting conference. Established by Steve Forbes at Princeton University in 1968, Business Today is a student-run non-profit organization seeking to bridge the gap between influential business leaders and top undergraduate students from across the country. Business Today publishes the BusinessToday magazine, read by over 200,000 students and executives, and organizes three widely attended national business conferences annually. With notable alumni like Meg Whitman, President and CEO of Hewlett-Packard, and Wendy Kopp, founder of Teach for America, Business Today continues its core mission of guiding students into the business world today. You can learn more about what we do at [http://www.businesstoday.org](http://www.businesstoday.org).

This October, our annual **Start @ a Startup Conference** connects the nation’s most talented college students, like yourself, with elite startup companies through an immersive weekend experience in the heart of New York City. Selected students will have the exclusive opportunity to meet in small groups with leading executives, as well as learn from remarkable keynote speakers. At last year’s Start @ a Startup Conference, 250 distinguished students connected with executives from over 30 industry-leading startups over an exciting, event-filled weekend. In the past, executives from Dropbox, Sequoia Capital, Yik Yak, Stripe, and many other industry-leading startups have presented and networked with students at our conference. You will also have the chance to set up one-on-one interviews with the companies that most pique your interest. The best part of all: we will cover all of your expenses!

Our team, along with many past participants, believe that the Start @ a Startup Conference will be one of the greatest opportunities you will encounter in your undergraduate career. It is thus my great pleasure to invite you to apply for this exclusive opportunity [here](http://www.businesstoday.org). Please do not hesitate to reach out to me if you have questions. We look forward to meeting you in New York City, and providing you with a life-changing weekend!

Sincerely,

Patrick Zeng
Business Today
Assistant Director of Marketing