Dear CSE Students:

Welcome to the first newsletter of the New Year.

**Undergraduate Program (CS and CpE):** Undergraduate Program (Newsletter) 1. Read email, particularly department announcements. 2. This is your education. You need to be active in getting your education and meeting the degree requirements. Many resources are posted on the department web site - degree flow charts, listing of department courses and electives, forms needed for special actions (internship, independent study, petitioning for a course or special consideration). Have a plan to complete your course requirements, and don't wait until the last semester to take required courses (Algorithms, Operating Systems, Architecture).

**Undergraduate Program (IT):** BSIT students, welcome back and Happy New Year! I hope your Spring 2015 semester is off to a great start. Any bad memories of 2014, time to “Shake It Off.” If you are planning to graduate this Summer, please schedule an appointment to meet with me and complete the graduation checklist (see the CS Department webpage [http://www.cse.usf.edu/undergraduate/](http://www.cse.usf.edu/undergraduate/) along with a copy of the flowchart.

**Graduate Program:** Welcome to a new semester! For those of you planning to defend this semester, please be sure to follow all College deadlines. These deadlines can be found in the College of Engineering Format Guide on their website. If you are taking the Ph.D. Qualifiers this semester, the deadline to withdraw is Friday, January 16. Please remember to check to CSE Graduate Calendar of Events on our website on a regular basis for important deadlines and events.

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

- Email from Mr. Ed Kellner to all CS and CpE students regards graduations (read it!)
- USF ACM Officer Elections
- REU in Computational Sensing and Medical Robotics
- John Hopkins Summer Research Expeditions (SRE) for Undergraduates
- John Hopkins REU in Computational Sensing and Medical Robotics (CSMR REU)
- Tufts University Soft Material Robotics IGERT Fellowship
- NIST Summer Undergraduate Research Fellowship
- NRC Fellowship Opportunities
- Buick Achievers Scholarship Program
- Deloitte Orlando Delivery Center’s Annual Programming Competition Saturday, February 28, 2015
- Senior Website Developer
- Boson Software, LCC – Programmer/Developer Intern
- 2015 Citi Technology Summer Internship

Regards,

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

The archive of old newsletters can be found at [http://www.cse.usf.edu/newsletter](http://www.cse.usf.edu/newsletter)
[Undergrad] graduation

Kellner, Ed <ekellner@cse.usf.edu>  
To: undergrad@cse.usf.edu  
Mon, Jan 12, 2015 at 10:21 AM

The first week of class is over; everyone should have their schedule complete. Now, it is time to ensure that those planning on graduating in the next 3 semesters are on course.

SPRING Graduation: if you are planning on graduating in spring, I would like you to see me this week or next to review your courses and insure that DegreeWorks is up-to-date. This will save time at the end of the semester, when you are overwhelmed with finals and projects.

SUMMER Graduation: if you are planning on graduating in summer, I would like you to see me before the end of the month. Please wait until next week before you come in. You will need to bring your graduation checklist (see the department forms page [http://www.cse.usf.edu/undergraduate/] along with a copy of your flow chart.

FALL Graduation: if you are planning on graduating in fall, I would like you to see me in February. We have had an overload of students needing required courses (Ethics, Algorithms, Hardware electives), we need to know how to plan the summer and fall schedules. You can help - it is your graduation - by letting us know how many requirements are remaining. Bring a copy of your flow chart (see the department programs page [http://www.cse.usf.edu/undergraduate/] with you.

Note to all students: before you take any course outside the department, you need to have it approved IF you want it to count as part of your department requirements. Several students thought the EE course "MAKE" would count as an elective; unfortunately, it does not. Pre-approval is important.

If you need to set an appointment, please see me or email me. Right now, E-scheduler is not used to set appointments.

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Ed Kellner  
Undergraduate Advisor, Computer Science & Engineering  
(813) 974-2126  
University of South Florida  
ENB-118  
4202 E. Fowler Ave  
Tampa, FL 33620  
[http://www.cse.usf.edu]

Undergrad mailing list
USF ACM Officer Elections

Join us on February 2nd for USF’s ACM 2015 Officer Elections!

Open Positions:
- President
- Vice-President
- Treasurer,
- Secretary,
- Public Relations

If interested in a position you must apply by Jan. 25th.

Please visit http://www.cse.usf.edu/acm/elections.html

For more information, contact Hannah Pate at hpate@mail.usf.edu
Dear Professor,

I am writing to announce the 2015 Research Experience for Undergraduates (REU) Program in Computational Sensing and Medical Robotics at The Johns Hopkins University in the Computer Integrated Surgical Systems and Technology Engineering Research Center (CISST ERC) / Laboratory for Computational Sensing and Robotics (LCSR). The REU program is an intensive ten-week program of laboratory research and instruction. In the program, each REU student receives hands-on laboratory research experience under guidance from faculty and graduate student mentors. The students will also receive classes on ethics in research and technical communication. A stipend and housing will be provided by the program.

I would greatly appreciate, if you can pass on to your students the promotional flyer that I am attaching with this communication. The deadline to apply is March 2, 2015. Your students can learn about the application process using this link:-http://lcsr.jhu.edu/reu/

If your students have any questions, they can reach me at 410-516-6841 or email me at asampath@jhu.edu

Thank you very much for your help.
Sincerely,

Anita Sampath
CISST ERC/LCSR
The Johns Hopkins University
Baltimore, MD.
Phone: 410-516-6841
Email: asampath@jhu.edu
Summer Research Expeditions (SRE) for Undergraduates
Department of Computer Science

Join the unique interdisciplinary research program for undergraduates hosted by the Computer Science Department at the Johns Hopkins University

Projects in Machine Learning • Mobile Computing • Programming Languages • Mining Social Media • Computational Healthcare

• Dates: May 25-July 31, 2015 • Stipend and Housing are provided
  • Local lab tours & Presentation Classes

APPLICATIONS DUE BY: March 2, 2015
To submit application visit: http://cs.jhu.edu/sre
Phone: (410) 516-6841/ E-mail: asampath@jhu.edu

Ideate. Innovate. Inspire.
RESEARCH EXPERIENCE FOR UNDERGRADUATES IN COMPUTATIONAL SENSING AND MEDICAL ROBOTICS (CSMR REU)

Summer projects under the guidance of Hopkins faculty and graduate students.

Dates: May 25, 2015- July 31, 2015
Stipend and Housing are provided.

Applications Due by: March 2, 2015
To Learn More: http://lcsr.jhu.edu/reu/
Phone: (410) 516-6841/ E-mail: asampath@jhu.edu
Tufts University Soft Material Robotics IGERT Fellowship

Subject: Tufts University Soft Material Robotics IGERT Fellowships
Date: Mon, 5 Jan 2015 15:50:54 -0600
From: Poirer, Julia E <Julia.Poirer@tufts.edu>

We invite seniors who plan to pursue graduate education in Biology, Chemistry, Mathematics, Computer Science, or any of the Engineering disciplines to explore the Tufts University Soft Material Robotics – IGERT website. Information on how to apply for a 2015 Soft Material Robotics – IGERT Fellowship is available on the website.

As a recipient of the National Science Foundation’s prestigious IGERT (Integrative Graduate Education and Research Traineeship) award, Tufts University has accepted the challenge of establishing new models for graduate education and training. Our goal is to create a collaborative environment in which our research transcends traditional disciplinary boundaries, with a focus on soft material robotics.
Summer Undergraduate Research Fellowship

Application Deadline: February 13, 2015

About
- 11-week summer opportunity for undergraduate students in a STEM major to gain hands-on research experience
- Located at Boulder, CO (May 18 - July 31, 2015) and Gaithersburg, MD (May 26 - August 9, 2015)

Eligibility
- Must be a US citizen or a U.S. Permanent Resident
- Open to currently enrolled undergraduate students majoring in physics, material science, chemistry, mathematics, computer science, or engineering discipline.
- G.P.A of 3.0 or better is recommended

How to apply
- Student’s university must submit a grant proposal by Grants.gov or mail that provides details about its academic programs and nominates one or more students.
- Each student must provide to their university an application coversheet, checklist, transcript, 2 letters of recommendation, and personal statement for inclusion in the university’s proposal.

Benefits
- Housing and travel allotments available
- Receive a stipend of $5500 for 11 week program
- Demonstrate your potential to be a scientist or engineer!

For more information on the SURF Program at NIST visit www.nist.gov/surf.
Dear Department Head:

We are asking your assistance in forwarding this message to inform students and faculty in your department of these outstanding fellowship opportunities. More detailed information and an online application can be found at www.nationalacademies.org/rap.

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at participating federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $80,000 per year for recent Ph.D. recipients, and higher for additional experience. Graduate entry level stipends begin at $30,000. These awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. The program is open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals.

Detailed program information, including online applications, instructions on how to apply, and a list of participating laboratories, are available on the NRC Research Associateship Programs website (see link above).

Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu.

There are four annual review cycles.

Review Cycle: February; Opens December 1; Closes February 1

Review Cycle: May; Opens March 1; Closes May 1

Review Cycle: August; Opens June 1; Closes August 1

Review Cycle: November; Opens September 1; Closes November 1

Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

Thank you for your assistance.

Sincerely yours,

H. Ray Gamble
Director of the Fellowship Programs

National Research Council
The National Academies
500 5th Street NW, Keck 568
Washington, DC 20001
Extraordinary people all have a story: Seeking to overcome obstacles, the steps they have taken, bettering themselves and their communities. The Buick Achievers Scholarship Program recognizes and supports their journey. We want to help those who put forth the effort and find success both in and out of the classroom, yet are unable to attend college without financial assistance.

We encourage the following to apply:

- High school seniors and current undergraduates
- Those who plan to enroll full time at a four-year college or university in 2015-2016
- Those who plan to major in a field of study that focuses on engineering, technology, design or business, with an interest in the automotive industry

Visit our website for more information: www.buickachievers.com

Application Deadline:
February 27, 2015 (5:00 p.m. EST)
Orlando Delivery Center’s Annual Programming Competition
Saturday, February 28, 2015

Prizes will be awarded to winners and runners up!

Join us for our Annual Programming Competition at the Orlando Delivery Center. Teams from universities across Central Florida will be competing for bragging rights and prizes as winners of our competition.

Competition Details:

Teams will be given four hours to complete as many of the provided programming problems as possible using C, C++, and Java programming languages.

Check-in will begin at 10:00 am.

Competition starts at 12:00 pm.

Deloitte Orlando Delivery Center - Directions
USOrlandoProgrammingCompetition@deloitte.com

901 International Parkway, Suite 100,
Lake Mary FL 32746

Deloitte refers to one or more of Deloitte Touche Tohmatsu, a Swiss Verein, and its network of member firms, each of which is a legally separate and independent entity. Please see www.deloitte.com/about for a detailed description of the legal structure of Deloitte Touche Tohmatsu and its member firms.
POSITION TITLE
Programmer/Developer - Intern

TEAM
Product Development

ACCOUNTABILITY
Senior Development Management

POSITION SUMMARY
Working under the guidance of senior programmers, the intern will be focused on projects related to the design, testing, debugging, documentation, and installation of new product content and changes to existing content for Boson Software’s NetSim® network simulator products.

DUTIES
1. Write structured Windows desktop-based application code for developed content conforming to established methodology and standards.
2. Write and maintain documentation to describe program development, logic, coding, testing, changes, and corrections.
3. Work effectively with developers, programmers, editors and other team members, both locally and remotely, to find solutions for errors, problems, or questions concerning the product content.
4. Demonstrate creative and analytical approaches to solving challenging problems.
5. Become a student of and maintain knowledge of commonly used concepts, practices, and procedures within the various IT certifications.

SKILLS AND EDUCATIONAL REQUIREMENTS
Position requires a junior or senior level college student or a graduate with a degree in computer science or other significantly related field with appropriate experience.

Verifiable knowledge of C#/VB.NET. Understanding of object-oriented design and development required. Experience with .NET Web Services, VB6, Installshield, SQL Server, and SQL Server Compact highly preferred. Knowledge of routing and switching technologies helpful. Proficiency with MS Office expected.

Exposure to relational database theory and design useful. Knowledge of or experience with computer-based training applications and/or achievement of Cisco certification preferred.

INTERRELATIONSHIPS
Must be able to work well independently and as a team member interfacing primarily with content developers, programmers, and other corporate staff as required.

WORKING CONDITIONS
Position is classified as an internship, hourly, non-exempt and is based in Oldsmar, Florida. Intern expected to work in our office between 20 – 40 hours per week, with some flexibility available.

NEEDED ATTRIBUTES
Qualified candidates must be comfortable working with a small, agile team and able to handle multiple projects/tasks simultaneously. Must be a motivated, fast learner.
Student Level:
Junior

Major(s):
Computer Science, Information Systems, Computer Engineering, Business (Technology focused)

GPA:
3.0 or higher

Location:
3800 Citigroup Center
Tampa, FL 33610 (Brandon, FL area)

Work Authorization:
US Citizen, Permanent Resident

Application Deadline:
February 1, 2015

Company Description:
As the preeminent global financial services company, Citi has over 200 million diverse clients – including some of the most influential names in the business world. The benefits of our size add up to a lot more than a collection of statistics. The proportions of our business place us in a unique position. For over 200 years, we’ve brought together some of the world’s most successful and diverse financial companies to form one Citi with unparalleled strength across over 100 countries in four regions: North America, EMEA (Europe, Middle East and Africa), Asia-Pacific and Latin America. Please visit our website for more information at: www.citi.com.

Internship Description:
The Tampa Summer Internship program is a challenging opportunity designed to engage rising college seniors in a 10-week assignment. Assignments may involve work in the applications development area, architecture and engineering, production assurance, strategy and planning, or other IT disciplines. Working in team settings, summer interns solve business problems that are representative of contemporary work environments, and gain exposure to a large, complex organization managed by different leadership styles. Interns will be partnered with influential managers who will provide engaging work projects during the summer. Classroom training is offered on various topics ranging from technical subjects to financial education.

Application Process (Both Steps Required):
Interested applicants should submit an online profile and resume via this direct link: https://citi.taleo.net/careersection/2/jobdetail.ftl?lang=en&job=15001396
and submit your information to the USF Employ-A-Bull Website.
Who: Quantitative Science, Business
Student Level: Undergraduate Junior
Risk Intern (2)

Who: Cyber Security, Cyber Intelligence, Information Analysis, Political Science
Student Level: Undergraduate Junior

Who: Finance, Accounting, Business Economics
Student Level: Undergraduate Junior

Who: Cyber Security, Cyber Intelligence, Information Analysis, Political Science
Student Level: Undergraduate Junior

Who: Accounting, Finance, OIS/IS, or Industrial Engineering
Student Level: Undergraduate Junior

Who: Forensic Investigation, Criminal Psychology, Banking/Fraud, Statistical Analysis, Data Science, MI, Business, Economics, or Criminology
Student Level: Undergraduate Junior

Student Level: Undergraduate Junior

24 Job Positions will be on the USF Employ-A-Bull soon.