Dear CSE Students:

Welcome to the fourth newsletter of the spring 2013 semester.

**News from the Undergraduate Program:** I hope your semester has been going well. We still do not have a summer 2013 schedule available, but we will let you know when it is published.

**News from the Graduate Program:** For those of you planning to defend this semester, the deadlines are as follows.  
*Dissertation:* March 8 College Full Draft Format Review, April 5 College FINAL Dissertation Manuscript Due – Catherine Burton, and April 12 Graduate School Final Submission. Please check the CSE Calendar of Events on a regular basis for all deadlines and events.

Attached are announcements for the following (please note that this listing does not imply University or Department endorsement in any way):
- Open Research Positions for Undergraduate Students (REU Position) in USF CARRT Lab
- 2013 Summer Undergraduate Research Fellowships in Sensor Science and Engineering in Univ. of Maine
- Announcing Google Summer of Code 2013
- Intel internship and new grad opportunities
- Management Information Systems Internship, City of Maryland Heights
- Development Manager for EMSI

Regards,

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

The archive of old newsletters can be found at http://www.csee.usf.edu/newsletter
Open Research Positions for Undergraduate Students (REU Position)

We are seeking a motivated and hardworking undergraduate student researcher in Computer Science & Engineering to conduct research in the Center for Assistive, Rehabilitation and Robotics Technologies (CARRT) at the University of South Florida. The student will be working on the “Dance Chair” project, which consists of using Android hand-held device and an Arduino BT board to control a power wheelchair for hands-free motion applications. The accepted student will be offered a competitive stipend to work 10 hours per week in the lab.

Requirements:
1- Good programming background in C, C++ and I/O wireless communication. The student should be familiar with programming in various OS platforms, including Windows and Android.
2- The student needs to have good abilities to work with groups and with graduate students.
3- Preference will be given to junior and senior students who would like to pursue a graduate degree at USF after graduation.

If you feel that you are a good candidate for this opportunity, please send the following documents to Dr. Redwan Alqasemi at alqasemi@usf.edu:
   a) Your Resume (please include any work/projects you were involved in)
   b) Your Statement of Purpose (one page)
   c) Your Transcript (a digital copy)


10 Week Program: June 3 - August 9, 2013  
Online Application: [http://arch.eece.maine.edu/sensors/app/application.php](http://arch.eece.maine.edu/sensors/app/application.php)  
Application Deadline: March 8, 2013

During the Summer of 2013 the Electrical and Computer Engineering Department and the Laboratory for Surface Science and Technology (LASST) at the University of Maine will offer the opportunity for a limited number of highly qualified undergraduate students to participate in research under the guidance of various faculty in the area of sensor science and engineering. This program is sponsored by the National Science Foundation, and awards the participating student a stipend of $800/week for a period of ten weeks. Students who live on campus will also be eligible for a subsistence award which will help defray expenses for lodging, and meals. Six undergraduate credits will be awarded to the student for his/her undergraduate research participation. Women, minorities and/or handicapped are strongly urged to apply to the program.

**Activities:**

Students will be involved in fundamental and applied sensor research in a new engineering science research building where they will work with state-of-the-art research equipment and facilities. They will interact with faculty members, research scientists, and graduate students for guidance and consultation throughout the 10-week period. At the completion of the program, students will write a final report and give an oral seminar.

**Possible Research Areas Include:**

- Metal Oxide Thin Film Sensor Materials
- Piezoelectric Sensors
- Microelectromechanical Systems (MEMS) and Nano Sensors
- Chemical and Biological Selective Films
- Biological and Chemical Sensors
- Liquid Phase Sensors
- Sensor Arrays

**Eligibility:**

- U.S. citizen or permanent resident
- Current sophomore or junior undergraduates.

**Award Includes:**

- $8,000 stipend
- 6 academic credits

**Contact Information:**

Prof. Nuri W. Emanetoglu  
The University of Maine, 5708 Barrows Hall, Orono, ME 04469-5708  
Phone: 207-581-2233, Fax 207-581-4531  
Email: [nuri.emanetoglu@maine.edu](mailto:nuri.emanetoglu@maine.edu)  
[http://www.eece.maine.edu/research/URP/index.htm](http://www.eece.maine.edu/research/URP/index.htm)
Hello,

We’re pleased to announce that Google Summer of Code will be happening for its ninth year this year. This innovative program for University and college students ages 18 and older offers accepted students a chance to learn open source software development skills while earning a stipend. Please check out the blog post [1] about the program and read the FAQs [2] and Timeline [3] on Melange for more information.

The GSoC calendar, FAQ, and events timeline have all been updated with this year's important dates, so please refer to those for the milestones for this year's program. NB: the normal timeline for the program has been modified for this year. You'll probably want to examine the dates closely to make sure you know when important things are happening.


Thanks in advance for any help spreading the word.

Regards,

Cat

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Cat Allman

allman@google.com
1-650-214-4886
Open Source Programs Office
Mountain View, CA USA
code.google.com

...let us save what remains: not by vaults and locks which fence them from the public eye and use in consigning them to the waste of time, but by such a multiplication of copies, as shall place them beyond the reach of accident.

— Thomas Jefferson, February 18, 1791
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http://listserv.acm.org/scripts/wa-ACMLPX.exe?SUBED1=SIGCSE-members&A=1
Internships and College Graduate Opportunities with Intel

AfterCollege, Dave Meeks <group-updates@aftercollege.com>  
Reply-To: Dave Meeks <dmeeks@aftercollege.com>  
To: Ken Christensen <kenneth.j.christensen@gmail.com>

Employer Opportunity Notification  
for USF Department of Computer Science and Engineering

Dear Ken Christensen, Intel Corporation is actively accepting applications for various Internships and New Grad opportunities and would like to invite students from Department of Computer Science and Engineering to apply. We would appreciate it if you could forward the information below. We thank you in advance.

Dave Meeks,  
AfterCollege University Relations, on behalf of Intel

Happy 2013 from your friends at Intel®

Exciting things are happening inside of Intel this year. We are working on new products and services that are going to shape the future and the way people connect with the world. At this time, we want to invite you to explore our opportunities and consider whether or not YOU want to be part of the next big thing.

Click on the positions below and apply today.

2012-2013 College Graduate Opportunities  
2013 Internship Opportunities

At Intel, we offer a broad range of BS, MS and PhD opportunities in the following technical disciplines:

- Electrical Engineering  
- Computer Engineering  
- Computer Science  
- Chemical Engineering  
- Chemistry  
- Physics  
- Mechanical Engineering  
- Materials Science

We look forward to connecting with you and matching you up to some of our exciting
opportunities. Best of luck in the 2012 - 2013 School Year.

Intel Corporation
US College Recruiting Organization

AfterCollege
http://www.aftercollege.com/

Add group-updates@aftercollege.com to your address book to ensure that you receive AfterCollege emails to your inbox. You are receiving this email at the account kenneth.j.christensen@gmail.com because you are subscribed to outreach emails.

Click here to unsubscribe and change your email subscription settings.

Your privacy is important to us.

U.S. Patent 7,213,019
LIVE, WORK, PLAY!
Apply today for an internship experience unlike any other!

The City
Located in northwest St. Louis County, Maryland Heights, Missouri has a population of 27,000 residents. The city’s population swells to 100,000+ during the day as a result of its major concentration of businesses, offices, hotels, restaurants and entertainment venues, including a large casino.

Maryland Heights operates under a City Administrator form of government with 6 departments: Administration, Finance, Community Development, Public Works, Police, and Parks and Recreation. The city employs 200 full-time employees and has a budget of over $40 million.

The Internship
The Management Information Systems Internship is for undergraduate students pursuing a degree in Management Information Systems, Computer Science, Information Technology, Data Processing, GIS or a related field. The intern will work with the Information Systems Manager and will be exposed to the operations of the entire division.

This 12-week internship takes place between May 1 and September 15; specific schedule is negotiable.

The Management Information Systems Internship is one of several summer internships with the city. All interns participate in a team-building project and in tours of a variety of municipal facilities. This is a well-established internship program begun in 1986.

Compensation is $11.50 per hour, 40 hours per week for 12 weeks ($5,520 total).

Application
To be considered, applicants should be entering their final year in an accredited Management Information Systems, Computer Science, Information Technology, Data Processing, GIS or related program and should submit the following materials:
• A letter of interest addressed to the IT Manager. Include specific areas of interest the applicant would like to pursue.
• A resume.
• A letter of reference from a college advisor or professor.

To be considered for the internship, email the documents listed above to greader@marylandheights.com by March 15, 2013. Applicants should give some thought to housing before applying.

The City of Maryland Heights is an Equal Opportunity Employer
Development Manager

Job Description
Full time development and report writing position, with responsibility for managing, mentoring, and training 2 Junior Developers. The development group is responsible for all requirements gathering and business analysis leading to all ad hoc reporting, analytics reports, and custom development in VB.NET. This position will be tasked with overseeing and implementing full software development life-cycle (SDLC) of design, code, test, debug, and implementation of all VB.NET applications.

Required Experience:
Minimum of Associates Degree
5 years experience in .NET programming, with a minimum of 2 years in VB.NET
3 years experience with SQL Server 2005/2008
3 years experience with Visual Studio 2008/2010
3 years experience with VB.NET and SQL Reporting Services

Preferred Experience:
Bachelor’s Degree
2-4 years experience in a Healthcare environment
Application and SQL query performance monitoring and tuning
Experience in ASP.NET
Experience in SharePoint Design
Experience with creating Data Warehouses, Cubes, and Analytical Reports
Experience in IIS 6/7 administrations
Spotfire Analytics Tools

Thanks,

-ALAN

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