Dear CSE Students:

Welcome to the second newsletter of the fall 2013 semester.

**News from the Undergraduate Program:** I hope your semester has started well. I highly recommend that you plan on attending the upcoming USF Career Fair. Note that the Science, Engineering, and Technology Day is on September 26. Visit the USF Career Center for more information.

**News from the Graduate Program:** For those of you planning to defend this semester, please remember that I need the defense announcement sent to me via email two weeks prior to the defense. You may contact the front desk to reserve a room, laptop and projector. Please be sure to check the calendar of events on the CSE Graduate website for all important deadlines. If you have any questions or concerns, please stop by my office.

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

- Pearson Student Coding Contest
- Berkeley Edge conference application
- Industry 2013 Connections event (Marshall Center on September 12th)
- NSA SPORT Summer Internship information session
- City of Tampa Engineering internship
- Humana information session for full-time jobs and internships
- JP Morgan information session for full-time jobs and internships
- Lockheed-Martin information session for full-time jobs and internships
- Web developer for USF Marshall Center
- Endore Software Engineering internships
- Statistics Solution job
- MB2X part-time jobs for computer science majors

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.csee.usf.edu/newsletter
Dear Professors,

Pearson is excited to announce our first ever Pearson Student Coding Contest. The Contest is open to undergraduate students in the United States and is designed to reward contestants who develop relevant, innovative, creative, and original apps that integrate with Pearson APIs.

Contest Details
Students will submit their Idea Proposal from September 3 - September 30. Contestants will be notified by October 8 if their Idea Proposal has been accepted. Contestants with approved Idea Proposals have from October 8 - November 30 to develop and submit their Entry.

Prizes

We're also offering:

3 internship positions for summer 2014 at eCollege in Denver.

An opportunity to interview for the Pearson Leadership Development Program—a highly selective program that Pearson uses to recruit the most talented college grads.

Resources

Use the following resources to notify your students about this amazing opportunity!

- Full Contest details are available online: [www.pearsonstudents.com/codingcontest](http://www.pearsonstudents.com/codingcontest)
- Download a PowerPoint slide or flyer to use during class. Feel free to print and distribute, or post on your course website.
- If you have any questions, please feel free to contact me directly

We hope that you encourage your students to participate in the Contest.
DATE: August 26, 2013

Dear Colleague,

UC Berkeley is pleased to announce a new application deadline of September 22 for the fourteenth annual Berkeley Edge Conference, October 24-26, 2013. We invite you to recommend science, mathematics and engineering students for the conference.

The Berkeley Edge Conference is designed to encourage underrepresented minority students who are competitively eligible for our Ph.D. programs in science, math and engineering to apply to UC Berkeley.

If a student you recommend is chosen, UC Berkeley will provide all travel, lodging, and meals for your student.

The conference program includes workshops on preparing competitive applications for graduate admission and fellowships. A highly valued aspect of the conference is the pre-arranged individual and group meetings with UCB faculty for each participating student in their department of interest. Participants also are given tours of the science and engineering departments and research facilities. The National Laboratories in the San Francisco Bay Area—LBNL, LLNL and Sandia, showcase the research opportunities they offer to Berkeley graduate students. Several formal and informal sessions with current students on graduate studies and graduate student life at Berkeley are lively, informative, and enjoyable. There are opportunities for participants to tour the local area.

The application deadline is September 22, 2013 for faculty, research scientists, and other mentors to recommend students for the Berkeley Edge Conference 2013. This is also the deadline for recommended students to complete their applications on-line. Applications will be reviewed on a first come, first served basis and students will be informed of their application status in mid October. An emergency deadline may be established for those students on the quarter system, and will be published in early October.

To recommend your students on-line and for more information, please visit our website:

http://bsn.berkeley.edu/bec2013

Please let your students know that you have recommended them. Please inform them that their on-line applications and transcripts are due by September 22 at 11:59 PM Pacific Standard Time.

Thank you for your ongoing support for the Berkeley Edge Conference and our work to increase diversity at the graduate level in science, mathematics and engineering.

Sincerely,

Colette Patt, Ph.D., Director
Berkeley Edge Program
Industry Connections is an annual event, organized by Nielsen, to provide USF students with an opportunity to hear from diverse leaders in the Tampa Bay community. We’ll explore first class insights, listen to panel discussions and build a better understanding of how to succeed in the corporate world.

WHERE:  OVAL THEATER, MARSHALL STUDENT CENTER
WHEN:  SEPTEMBER 12
TIME:  1:00 - 4:00PM

PANELISTS

Jay Schroder
Senior Principal Systems Engineer
Raytheon’s Integrated Defense Systems (IDS)

Jennifer Tracy
Senior Director Talent Acquisition & Diversity
Bright House Networks

Mark Jackson
Senior Manager IT Development
Tech Data Corporation

Moderator
Heather Kenyon
CEO Tampa Bay Technology Forum

... and more
The Summer Program for Operations Research Technology (SPORT) at the National Security Agency (NSA) offers U.S. citizen graduate students the opportunity to apply their academic knowledge in a stimulating professional environment. As a SPORT intern you will work closely with full-time Operations Research, Modeling and Simulation analysts applying the technical skills you’ve learned in college to challenging real-world problems. Learn more about SPORT as we show a brief video on NSA followed by a discussion of program details.

- Operations Research (OR)
- Modeling and Simulation (M&S)
- Industrial Engineering
- Management Science/Decision Analysis
- Applied Mathematics
- Probability and Statistics
- Systems Engineering

U.S. citizenship is required. NSA is an Equal Opportunity Employer. All applicants for employment are considered without regard to race, color, religion, sex, national origin, age, marital status, sexual orientation, or status as a parent.
Engineering Internship

Wage: $15.86 / Hour

Flexible Hours Available

Key Responsibilities:

- Provide support on technical services in accordance with current standards.
- Maintain access databases and sequel server databases.
- Post information on the City’s intranet site.
- Perform related work as required.

Desired Knowledge:

- Proficient in MS Access.
- Knowledge of various PC related software, such as MS Office, Adobe acrobat, html, css, java script, jQuery, python, and MS frontpage.
- Ability to physically lift and move personal computers and other related equipment as necessary.
- Ability to explain moderately complex ideas and problems, articulate verbal instructions in a succinct and diplomatic manner, talk to fellow staff through solutions to computer problems.
- Ability to analyze network equipment and/or software and implement appropriate solutions
- Ability to establish and maintain effective working relations with fellow staff.

Qualifications:

- Applicants must currently be enrolled in college courses.

Please email resumes to Chad.Bailey@tampagov.net by September 18th.
Humana Jobs

Humana seeks upcoming/recent computer science/engineering graduates for May 2014 hiring date and 2014 Summer Internships

| Info Session: | September 25th, 2013 |
|-----------------------------------------------|
| Room: | Engineering Building II, ENB 109 |
| Time: | 6:00-7:00 PM |
| Company: | Humana |

**Majors:** Computer Science, Engineering or related field  
**Levels:** BS  
**GPA:** 3.0 overall minimum  
**Grad dates:** May 2014 hire date

**Employment:** Full time hires and summer internships (see inserted descriptions)


**Other:** Relocation may be required  
Business casual  
RSVP to [ecfern@usf.edu](mailto:ecfern@usf.edu)

**Application:** Students can apply to the following links to be considered for an interview

<table>
<thead>
<tr>
<th>Position</th>
<th>Job Code</th>
<th>Link</th>
</tr>
</thead>
</table>
Humana's IT Summer Internship Program

Location: Green Bay, WI or Louisville, KY

(Housing provided for non-local students)

This internship program is for current college students only. The internship will take place during the summer of 2014.

Overview

The Humana IT Organization is currently seeking interns who are interested in working in the Louisville, KY or Green Bay, WI Markets.

Humana is offering an excellent opportunity to college students to learn about IT operations in the ever-growing healthcare field. Our summer interns will be exposed to the latest technologies and practices within a Fortune 100 company.

Humana is experiencing an exciting time of growth. A key ingredient to our success has revolved around our IT efforts. We have adopted Agile methodologies and use Microsoft's .NET platform to build software solutions. Through this program, you will apply what you have been learning in the classroom to real-world situations. As an intern, you will work closely with Humana's IT Learning Services department (ITLS). ITLS will provide on-site classroom experiences to help orient you to our work environment, software processes and the healthcare industry.

You will have the opportunity to create a software application for use within Humana. You will work with experienced developers and with a team of other interns to gather requirements, design and build a real working application. Past internship classes have built systems using .NET C#, JavaScript, CSS, and SQL running MS Visual Studio 2010, Silverlight v4, and SQL Server Client 2008. These applications are accessible by over 45,000 Humana associates. Other technologies used were Web Services, XML, AJAX, MEF, PRISM, and HTML.

Requirements

- Have an interest in pursuing the IT profession
- Be pursuing a degree related to the field (Computer Science, Computer Information, Management Information, etc)
- Knowledge and understanding of current web and software development technologies and concepts
- Graduate with their Bachelor's or Master's between December 2014 and May 2016
- Be actively involved on-campus and/or in the community

Desirables:

- Have a strong academic history with a minimum 3.0 GPA is desired.
- Humana does not provide sponsorship for our internships.
Some highlights of our internship:

- 12 Week Paid Summer Internship with a Fortune 100 Company
- Competitive intern rate of pay
- Humana is rated a top 100 places to work in IT
- Housing and travel expenses covered for those that live outside of the area
- 2 Paid Holidays during Summer (4th of July and Memorial Day)
- Agile Development work structure working under a technology manager
- Emerging technologies including .NET, C#, Java, Mobile Web Apps.
- Database backend in SQL, Oracle
- Ability to work part time (REMOTE) in our extended program during the school year after the summer for selected interns that excel during the summer
- Full time conversion into Application Engineer or related IT roles such as Business Analyst, DBA's, etc. upon graduation from your respective University
**Role:** Technology Business Analyst  
**Assignment:** Entry Level BA  
**Location:** Must be interested in the following locations and open to relocation if outside the area: Louisville, KY; Chicago, IL; Green Bay, WI; Jacksonville, FL, and Tampa, FL

Please Note this is an entry level position available to recent college graduates and current students graduating no later than May 2013

**Are you a fit?**

Are you a technologically savvy analytical thinker? Would you enjoy using your computer skills to assess business needs and improve business processes?

**Assignment Capsule**

As a Technology business analyst you will: partner with business associates from other departments to define their needs and participate in the development of system solutions that bring about resolution. You will implement best-known practices and develop key relationships with all impacted business areas.  
Partner with associates in other business areas to define business needs and help translate those needs into system requirements  
Develop project documentation, including scope and requirement documents, use cases, test scenarios and test cases  
Prioritize defects and enhancement requests from business partners  
Create and monitor departmental metrics  
Design and implement cost and staffing models  
Oversee departmental Sarbanes-Oxley Act compliance and reporting

**Key Competencies**

**-- Builds Trust:** You honor your word by doing what you say you are going to do.  
**-- Drives for excellence:** You are a continuous learner who encourages others to learn. By constantly upgrading your own work, you achieve results and outperform the competition.  
**-- Implementation/Execution:** You are good at organizing and managing multiple priorities and/or projects by using appropriate methodologies and tools.  
**-- Problem Solving:** You are a problem solver with the ability to encourage others in collaborative problem solving. Acting as both a broker and consultant regarding resources, you engage others in problem solving without taking over.

**Role Essentials**

-- Recent college graduate with a Bachelor’s Degree in Business, Computer Science or a related field  
-- Comprehensive knowledge of all Microsoft Office applications, including Word, Excel, Access and Power Point

**Role Desirables**

-- Applied knowledge of health insurance processing  
-- Experience with relational databases  
-- Working knowledge of ad-hoc query tools and data repositories that support data extraction and manipulation  
-- Have a strong academic history with a minimum 3.0 GPA upon graduation is desired.

**Reporting Relationships**

You will report to a Technology Manager. This area is under the leadership of the SVP & Chief Operating Officer.
Role: Technology Applications Engineer

Assignment: Entry Level Engineer

Location: Must be interested in the following locations and open to relocation if outside the area: Louisville, KY; Chicago, IL; Green Bay, WI; Jacksonville, FL, and Tampa, FL

Please Note this is an entry level position available to recent college graduates and current students graduating no later than May 2014.

Are you a fit?

Are you a technologically savvy self-starter? Are you a proven leader? Would you enjoy using your computer skills to assess business needs and help improve business processes?

Assignment Capsule

As a Technology Applications Engineer you will:

-- Perform coding, testing, implementation and support tasks in order to develop, maintain, and enhance computer solutions for business needs.
-- You will also act as a group leader, partnering with project managers to transform business requirements into actual designs.
-- Interpret production trends and abnormalities in order to determine root causes
-- Answer incoming customer calls, resolving specific questions about specific applications
-- Create process improvements for various business segments
-- Participate in Humana’s Disaster Recovery exercises

Role Essentials

-- Recent College graduate with a Bachelor’s Degree in Computer Science and/or Computer related field.
-- Comprehensive knowledge of all Microsoft Office applications, including Word, Excel and Access

Role Desirables

-- Experience with Job Control Language, Clist, COBOL, Quickjob and Vision Report, Statistical, .NET, Java, C#
-- Experience with emerging technologies, platforms, mobile apps. a plus.
-- Have a strong academic history with a minimum 3.0 GPA upon graduation is desired.

Reporting Relationships

You will report to a Technology Manager. This area is under the leadership of the SVP & Chief Operating Officer
JP Morgan Information Session

Please join JP Morgan for an Information Session to learn about full time hires and internship opportunities. Space is limited.

Who:           JP Morgan
Date:           September 19, Thursday
When:         6:00 pm - 8:00 pm
Where:        CUT 102, Center for Urban Transportation Research (west of ENB)
Positions:    20 Intern positions
Majors:       Computer Science
               Computer Engineering
               Electrical Engineering
               CIS and MIS
GPA:          3.0 minimum
Languages:  C, C++, C#, Visual Basic, SQL. Networking/Server administration
Job ID:       43776 (fulltime), 43777(summer) USF Career Connections
website:      http://techcareers.jpmorgan.com/techcareers/us/home
Other:         Bring your resume
               Refreshments will be served.
RSVP:        ecfeman@usf.edu
Date/Time: Wednesday, September 11th; 6:30-7:30 PM
Location: CHE 100
Suggested Attire: Casual

Engineering Information Session

Full time and Summer internship positions available in 2014
Interested in candidates pursuing BS or MS Degrees in:
EE, CpE, ME, Math, and Physics

At the conclusion of the session, Engineers and Managers from Lockheed Martin will be available to talk to candidates interested in immediate career opportunities at MFC-Orlando FL
Date/Time: Wednesday, September 11th; 6:30-7:30 PM
Location: CHE 100
Suggested Attire: Casual

Engineering Information Session

Full time and Summer internship positions available in 2014
Interested in candidates pursuing BS or MS Degrees in:
EE, CPE, ME, Math, and Physics

At the conclusion of the session, Engineers and Managers from Lockheed Martin will be available to talk to candidates interested in immediate career opportunities at MFC-Orlando FL
Web Developer for Marshall Student Center

Department: Marshall Student Center  
College/Division: Student Affairs  
Salary Plan: Temporary  
Salary Range: $15.00-$17.00 hour, depending on experience  
Hours: 30 per week

Position Summary: We are looking for a dynamic, self-motivated individual with experience and skills in web content management, writing and editing for the web, graphic design and site management.

Duties and Responsibilities: The Marshall Student Center (MSC) is the central hub of campus life at the University of South Florida in Tampa for more than 47,000 students. It houses numerous departments, and serves more than 600 student organizations. The MSC Web Specialist will maintain websites for the Marshall Student Center and Student Affairs departments.

The Web Specialist will:
- Manage content for web presence of the MSC and Student Affairs Departments
- Proofread all web content
- Create ftp web space/Wordpress blogs
- Create web forms for websites using Wufoo
- Represent the MSC/Student Affairs on the transition to a content management system

Minimum Qualifications: This position requires a minimum of two years of experience in related position. Candidate must have strong experience with the following: HTML, CSS, JavaScript, ASP/PHP, design using Web Standards, Google Analytics, IIS & Window Server, Joomla, Wordpress, and Adobe Creative Suite (specifically Dreamweaver and Photoshop).

Candidate must be a team player and have a demonstrated track record of strong communication and collaboration skills.

Preferred Qualifications: The preferred candidate will have four years of experience with designing/updating websites, experience tracking web site analytics, and familiarity with social media. Experience in photography, videography, video editing, and presentation/multimedia support is desired.

A Bachelor’s degree is preferred.
Experience with the following jQuery, ASP.Net, video editing tools (Adobe Premier, After Effects, iMovie, etc.), using video/audio equipment, presentation software (PowerPoint and/or Apple Keynote), and Adobe Flash.
Experience in a University setting is desired.
Experience with content management web design tools.
Successful candidate will have to pass a background check prior to approval for employment.

For additional information contact Tammi Flythe at 813-974-5277 or flythe@usf.edu.

Information for Applicants

This position is subject to a criminal background check.
Job Opening Number: 1870  
Posting Date: 06/18/2013  
Posting End Date: Open Until Filled

Sujit Chemburkar  
Director Phyllis P. Marshall Student Center  
Division of Student Affairs  
University of South Florida  
4202 E. Fowler Avenue, MSC 4100  
Tampa, FL 33620  
Office Phone: 813.974.5002  
Cellphone: 740.591.6488  
Email: sujit@usf.edu  
Twitter: @USFMarshallDir  
Website: www.msc.usf.edu
Software Engineer Wanted

Endore is a consumer solutions company looking to hire a software engineer for our fall internship program. The intern will assist with the development, testing, and release of a new software and mobile application.

Responsibilities:

- Develop an understanding of Endore's business and contribute innovative web-focused software solutions to assist in creating Endore's product
- Assist with product development

Position Details:

- Temporary with the opportunity to join our team once internship is completed
- Paid position with project based structure
- Minimum of three months availability
- Would not require relocating to Naples

What we are looking for:

- Creative, innovative individual
- Ability to succeed in fast-paced startup environment
- Great oral and written communicator
- Strong software development skills with experience and/or knowledge in mobile application development
- Minimum junior or senior level status in computer science/engineering

If you have questions on the position or would like to apply, please send resume and portfolio of any prior projects developed to Dave Desmarais at d.desmarais@envisionendore.com.
September 5th, 2013

Statistics Solutions consists of a team of professional statisticians specializing in dissertation and research statistics. Our statistical consulting services expedite both the dissertation proposal approval and results chapter.

We are looking for a graduate student with experience in Access and Visual Basic to create a client management application for our files. Please contact Kerri Shaver at kerri@statisticssolutions.com or at 727-442-4290 for more information. We need this work completed as quickly as possible!

The Right Candidate will have 3 – 5 years of experience with Access and Visual Basic, have immediate availability, and be willing to come to our office (located in Clearwater, FL).

Kerri Shaver
727-442-4290
kerri@statisticssolutions.com
www.statisticssolutions.com
Part Time Jobs for Computer Science Majors in Junior and Senior Year

- Close to USF
- Flexible Hours
- Great opportunity to work on real projects
- Learn new programming languages
- Silicon Valley Type company right here in Tampa Bay
- Work with a Great Team
- Mentor CTO – Steve Abraham, SQLSteve.com

Email Your Interest Today
Careers@MB2x.com
Attention: Matt Wagner
Subject: USF Computer Science