Dear CSE Students:

Welcome to the first newsletter of the summer 2014 semester.

**News from the Undergraduate Program:** Have a great summer semester!

**News from the Graduate Program:** If you will be defending and graduating this Summer or Fall 2013, please review the College of Engineering Thesis/Dissertation Format Guide. The guide is available under Student Services/Graduation (http://www2.eng.usf.edu/studentServices/graduation.htm) or you can pick up a hard copy in Catherine Burton’s office. 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):

- Big10+ Graduate School Exposition
- Be a Genius at ‘Design for X’
- Programming Positions Available NOW – USF Health Information Systems
- .NET Programmer – Health Axis Group
- .NET Software Engineer – GTECH
- Software Developer – Nielsen Catalina Solutions
- .NET Dev (Staffing agency)
- Web Dev (Staffing agency)
- Internship Opportunity – Aging Solutions, Inc.
- Computer Science / Computer Engineering Internship – City of Tampa
- Boeing Fall Internship (South Carolina)

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
Please forward this opportunity to your students, your colleagues and to the student organizations in your area. Students who join the mailing list by June 1, 2014 will be entered in a drawing for a free registration!

At the Big Ten+ Graduate School Expo September 21 & 22, 2014, students will:
- Get an inside look at graduate school and the application process
- Receive advice about funding opportunities from experts
- Network with representatives from more than 75 of the nation’s top graduate institutions
- Attend a premier graduate school fair

This two day mini-conference is especially designed for students interested in graduate education in:
- Science
- Technology
- Engineering
- Mathematics
- Other science-related disciplines.

The Big Ten+ Graduate School Expo awarded more than $50,000 in travel scholarships last year. Women and members of underrepresented groups are encouraged to attend.

Visit http://www.purdue.edu/gradschool/gradexpo/index.html for more information and to join our mailing list!

Thank you,

Janet Beagle
Director, Office of Graduate Admissions
Purdue University Graduate School
Be a Genius at ‘Design for X’
(The New ‘Student Maker Space’ in ENB110)

‘Design for X’, the new student maker space in ENB110, is currently being outfitted with maker space type equipment. A laser cutter has just been delivered, a circuit board CNC router is coming, there are plans for a CNC 3-axis tool, and several 3D printers have been ordered. There will also be standard work bench tools and several electronics work benches. This equipment will be accessible to all USF students for their design projects.

We are looking for a number of undergraduate students who are experienced ‘Makers’ to become involved with Design for X, and to act as ‘Geniuses’ to help and guide other students with their design projects. Geniuses will be present at Design for X for at least 8 hrs per week. Design for X will be open to students from 1-9 pm, 7 days per week, during summer. This may change in fall. Scheduled ‘Genius presence hours’ will be compensated at $8. Participating students are expected to also engage with other tasks at Design for X, such as equipment installation, maintenance and the Making of exciting projects of their own (to inspire inexperienced students to start their own projects).

Candidates should have extensive personal experience with design projects, be good communicators, and have expertise with one or more of the following:

- Arduino and/or Raspberry PI platforms
- Coding in C++ and/or other languages
- Autodesk Inventor and/or SolidWorks
- 3D printing
- Electronic circuit design
- Printed circuit board design
- Laser cutting
- CNC milling
- Machining

If you are interested in participating, are available during most of summer and still an undergrad at USF in fall 2014 and spring 2015, please, get in touch with Dr. Rudy Schlaf at schlaf@usf.edu.

PS.: If you are new to ‘Making’, check out makecourse.com for some examples of cool student design projects that can be completed in one semester, and a collection of tutorial videos about Autodesk Inventor/3D design, Arduino-based control systems and C++ coding.
We have 5 openings for full time programmers

1. JOB ID 2245 UAI Applications Developer (web apps and includes using C# windows and web services to transfer data)

2. JOB ID 2156 Applications Developer-Patient Portal (web apps and includes using C# windows and web services to transfer data)

3. JOB ID 3787 Corporate Learn Developer (PHP Programmer primarily, but may get into other languages as well)

4. JOB ID 3721 Faculty Directory Developer (Coldfusion/C#.net ASP, may include others, Coldfusion experience is not required)

5. Coming Soon—Application Developer focusing on Mobile Web Applications

How to Apply

Access the link listed below

http://www.usf.edu/about-usf/work-at-usf.aspx

1. Click on Access Careers@USF
2. New User?—You will need to register to create an account
3. Use Advanced Search and you can use the job codes listed above to find these.

If you have any questions please email isadmin@health.usf.edu or call 813-974-7555.

No walk ins please—apply online, use phone or email for questions.
Health Axis Group, a leader in healthcare technology, is looking for a .NET Programmer to join our SaaS product team. The ideal candidate will be a technically savvy analytical thinker driven to learn and implement best practice solutions to various programming challenges.

Responsibilities:

- Frontend/Backend development
- Consumption and creation of web services
- Write clean, testable code
- Performs other duties as assigned

Requirements:

- 3+ Years enterprise C# .NET development experience
- Understanding of object-oriented design
- Understanding of design patterns (MVC/MVVM)
- Understanding of relational databases, primarily MSSQL.
- Excellent verbal and written communications skills
- Strong analytical and problem solving skills

Beneficial Experience:

- Experience with SPA's, Web API, and other emerging technologies
- Knowledge of agile development methodologies
- Knowledge of the health insurance industry
- Knowledge of software testing and test tools
- Knowledge of open source software technologies and languages

Qualifications:

- Bachelor’s Degree in Business, Computer Science or a related field or equivalent experience
- Comprehensive knowledge of application development with Visual Studio

Include salary history with your response. Email resume to hr@healthaxis.com. Subject line should include: .Net Programmer.
.NET Software Engineer

GTECH is a global leader in providing lottery solutions. We are a customer first company. GTECH is an equal opportunity employer. We offer an excellent work environment and a competitive compensation and benefits package. GTECH Printing has invested over $45 million to create the most advanced instant game facility in the world. GTECH Printing’s Gallus press is capable of printing 48,000 tickets per minute and more than 11 billion tickets annually. GTECH Printing has the capacity to package 90 million tickets per day. Please consider joining our team in this fast-paced, dynamic industry.

The GTECH Printing group is hiring software engineers to design, develop and test the software required for the production of scratch-off lottery tickets. The candidate is expected to be a self-starter, a team player and a strong driver for results. The GTECH team focuses on quality, strives for continual improvement, and demonstrates passion for their work and projects. As a Software Engineer at GTECH, you’ll be a key member of the GTECH team, complementing the knowledge and skills that we bring to every area of our business.

Job Duties and Responsibilities

- Design and develop software on Microsoft platform
- Apply math, logic and critical thinking skills to solve problems
- Test and debug code
- Analyze requirements
- Communicate effectively with development team, other departments and customers (internal to GTECH)

Preferred Skills and Qualifications

- Bachelor’s degree in Computer Science, Software engineering or related field
- Working knowledge of object oriented design and development
- C#, VB.Net or C++
- Work effectively with a team
- Proactive and creative with the ability to think outside the box
- Strong math and logic skills

To Apply Online

- Visit us at http://GTECHLottery.com/careers/gtech-jobs

GTECH S.p.A. is a leading commercial operator and provider of technology in the regulated worldwide gaming markets, delivering best-in-class products and services, with a commitment to the highest levels of integrity, responsibility, and shareholder value creation. In 2013, GTECH had €3.1 billion in revenues and 8,600 employees in approximately 60 countries. For more information, please visit www.gtechprinting.com or www.gtech.com
DESCRIPTION

Nielsen Catalina Solutions is looking for a Software Developer to join the Application/Development team in the MTT and NCS Toolbox projects. As a part of NC Solutions you will be an integral part of a high energy team that is revolutionizing the way that the industry will analyze advertising performance and impact on shopper behavior.

As an entry level Software Developer, you will be hands-on, and will be expected to bring new and fresh ideas to the company and its solutions. The ideal candidate will learn from Principal Software developers, and architects in creating solutions that meet business requirements to achieve time to market and data solutions. Candidate must able to work closely with project manager, architects, and stakeholders to develop the solutions and with QA once the code has been deploy.

QUALIFICATIONS

- Bachelors degree in Computer Science
- Minimum of two years IT experience with 1-2 years in software development
- Experience in Java programming skills
- Experience with JBOSS/Maven/Tomcat
- Experience in SQL
- Some knowledge in backend, and middleware development
- Ability to Unit Test the code
- Ability to translate requirements into design and code based on the requirements
- Ability to work effectively as a team member, across project teams, and independently
- Excellent interpersonal skills, excellent written and verbal communication skills
- Ability to apply analytical and problem solving skills to solve design and coding problems
- Self motivated and eager to learn

Desired

- Knowledge and experience with scripting languages
- Experience in CPG or Media research
- Knowledgeable in RDBMS systems such as Netezza, and/or Oracle
.NET Dev

The Jr. Software Developer's primary responsibility will be development of planned software products and enhancements. Responsibilities include:

- Software development for new products.
- Software development for planned enhancements of existing products.
- Maintenance and support of source code for products.

Required Skills:

- Minimum 1 years of experience with the .NET development suite: ASP.NET, VB.NET.
- Minimum 1 years of SQL server development experience (Stored procedures, triggers, and basic database design).
- Experience developing business applications desired.
- Strong written and spoken communication skills required.
- Windows services and web services development a plus.
- SSRS or Crystal Reports reporting experience a plus.

He let me know the most important things to have are Vb.net, asp.net 3.0-3.5 or higher, crystal reports, jquery, sql. They are Microsoft shop. (6 developers on the team) has to be someone who is social and can work on team.

Samantha Mohr
Recruiting Specialist and Business Development Manager | MISource, Inc & TLS Staffing LLC
Direct: (813) 343-0463 | Toll Free: (877) 543-9540 ext. 366
Email: smohr@misource.com
www.misource.com
MISource_logo_final_w_highlight
Looking for an experienced web developer for developing, testing, and maintaining an assortment of our business-supporting web applications. These apps make heavy use of MVC frameworks utilizing front-end controllers, models, and template-backed views.

Primary responsibilities are designing, developing, testing and deploying database-driven web applications. Will be assigned projects and be responsible for them throughout their life cycles.

Skills Needed:
- Have actively utilized an MVC framework Backbone.js, Meteor.js, ExtJS, or Sencha Touch in one or more projects. Can demonstrate an understanding of that technology.
- Knowledgeable of JavaScript, CSS, HTML, AJAX, SQL, and open-source server-side frameworks.
- Strong understanding of object-oriented design.
- Cross-browser development and effective GUI development experience.
- Solid understanding of design, coding, debugging, and testing methods.
- Keep abreast with the latest technologies and apply them.

Samantha Mohr
Recruiting Specialist and Business Development Manager | MISource, Inc & TLS Staffing LLC
Direct: (813) 343-0463 | Toll Free: (877) 543-9540 ext. 366
Email: smohr@misource.com
www.misource.com
MISource_logo_final_w_highlight
Internship Opportunity

We are looking for a talented web designer intern who would enjoy adding new features and taking our two websites to a new level. For example, having our website flow like moving, changing language cross the top and interactive like video feed. We are a young, fast growing agency serving the elderly and disabled populations in five different counties. This is a short term assignment.

If you are interested please call our office at 813-949-1888 and ask for Shawn Coffey.
Computer Science / Computer 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 a 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 May 2nd.
The following Information Technology Internships and entry-level positions are now available for undergraduate and graduate students.

- Fall Internship Requisition: 14-1003119

Preferred Majors
- Information systems and technology
- Computer engineering and science
- Information Security
- Informatics
- Electrical engineering with software experience
- Software engineering
- Human-centered interaction and design
- Other engineering disciplines with programming experience

Be specific on your resume about the qualifications you have that match the above IT-related majors. Include specific examples when appropriate to ensure that your skills and qualifications are clearly communicated to the selection team.

For more information, desired attributes, and employment schedules, please visit boeing.com/careers

U.S. Person status is required for these opportunities.