Dear CSE Students:

Welcome to the fifth and final newsletter of the Spring 2016 semester.

**Message from the CS and CpE UG Advisor:** If you do not have a full schedule in Fall, please come see me (see first attachment to the newsletter). Graduating seniors: don't forget to register for Commencement and the Induction to the Profession ceremony (May 6 and 7). You can check the calendar links on the College of Engineering homepage (www.usf.edu/engineering) for more details. Best of luck to everyone during finals!

**Message from the IT UG Advisor:** The department website http://www.usf.edu/engineering/cse/undergraduate contains the list of IT approved electives (/electives.aspx) and the form for internships which is handled by the IT practicum (/dept-forms.aspx). The electives available for the summer out of the Tampa campus are COP 3353 – User-Level Linux Intro and CIS 3213 Foundations of Cyber Security. Those that have not submitted your Graduate Checklist for the fall should do so as soon as possible.

**Message from the Grad Program Assistant:** Summer commencement will be Saturday, August 6th for those students who submitted Graduation forms. Do not forget to apply for graduation through Oasis. If you are planning on graduating Fall 2016, Graduation forms are due Friday, July 29th.

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

- Email from Dr. Hendrix on summer and fall registration
- Hack for Homelessness event on June 3-5, 2016
- HackerEarth hack-a-thon
- Gap Inc. - Internship for Computer Science / IT students
- Student opportunity to design a website for USF Health faculty member
- KidsCode Instructor position with Computer Mentors Group (summer position)
- Jesuit High School is now accepting applications for Full-Time Computer Science Teacher
- Parliament Tutors seeks a Java tutor
- BorMan Construction seeks someone to update their website
- System Operations Co-op for Seminole Electric
- MindSumo Projects

Regards,

Ken Christensen
Director of the Undergraduate Program (and Newsletter Editor)
Email: christen@csee.usf.edu
Re: [Undergrad] Summer and Fall registration

William Hendrix <whendrix@usf.edu>  Fri, Apr 22, 2016 at 4:44 PM
To: undergrad@cse.usf.edu

Dear Computer Science and Engineering students,

As everyone has had a chance to register for classes, I assume that all of you have a full schedule in Fall unless we have already spoken about your Fall schedule. If this is not the case, please come see me during my office hours (MW 11-4, F 11-6) in ENB 344F.

For those of you without a full schedule whom I have already advised, please send me an email with your name and U# so that I can better keep track of whose schedules I need to help with.

Thank you,
William

On 4/11/2016 12:26 PM, William Hendrix wrote:

Dear students,

We are currently in the throes of Summer and Fall registration. Computer Science and Computer Engineering students who are having trouble filling out your schedules, please come see me in ENB 344F. My office hours are 11am-4pm on Mondays and Wednesdays, and 11am-6pm on Fridays. IT students should see Dr. Gauvin (wgauvin@usf.edu) in ENB 343C.

To help things run more smoothly, please bring a departmental flowchart with your current and previous courses marked and any electives filled in the appropriate blanks when you come to my office. You can download the flowcharts from:
http://www.usf.edu/engineering/cse/undergraduate/index.aspx

If you are planning to graduate in Fall and you have not done so, you should submit a graduation checklist to your advisor. You can download the checklist from our website:
http://www.usf.edu/engineering/cse/undergraduate/graduation.aspx

Those of you who are planning out what electives you may take in Fall (or in the future), we have a list of the electives that we frequently offer on the website:
http://www.usf.edu/engineering/cse/undergraduate/electives.aspx
Be aware that this list is constantly evolving; new electives may not yet be on the list yet.

You may also take an industry internship or independent study for up to 6 hours of elective credit. These courses can be taken in any semester (Fall, Spring, or Summer). Forms to sign up for them can be found on the website:
http://www.usf.edu/engineering/cse/undergraduate/dept-forms.aspx
You can have these forms approved by any faculty member in the department, but for the internship, you'll also need a letter from your employer confirming the details of your employment.

Cheers,
William
<Hack for> Homelessness

GIMME SHELTER

CODAPALOOZA
Tampa Bay 2016 - June 3-5

<Hack for> Homelessness

National Day of Civic Hacking #hackforchange
Call for Programmers, Developers, Graphic designers, UX Experts and other Technologists

Create viable solutions for those who are Homeless in the Tampa Bay area & Beyond
And other new and innovative relative applications for community solutions.

Presenting Sponsor and host location:
In Hidden River Corporate Park
8350 Parkedge Drive - Tampa, Florida 33637

Register here:
www.tampainnovation.com/codapalooza

Tampa Innovation Alliance™
Transforming • Enriching • Connecting

Gimme Shelter Sponsorships are available:
Transformer: $2,500  Innovator: $1,000
Supporter: $500  Call Kelley Sims at 813-833-1894 for more information.
HackerEarth hack-a-thon

Dear Prof. Christensen

I am Sachin Gupta, the founder of HackerEarth (www.hackerearth.com). We organize hackathons across the globe and work with both Universities and Corporates in helping them organize their hackathons. We work with Universities like University of Toronto (https://www.hackerearth.com/sprints/uofthacks2016/), Rochester University (https://www.hackerearth.com/sprints/brickhack-ii/description/) and many more.

This time we have partnered with Grindr and hosting a hackathon with them https://www.hackerearth.com/sprints/0FeetAway-Hackathon/. The objective of the hackathon is to use mobile-based geo-location and build applications that solve real world problems for people in a vicinity. The aim is to use geo-location to help people get access to healthcare services, discover local community events or anything that can be discovered in a vicinity.

We would like to invite the students of your University to participate in the hackathon. It's an online hackathon starting May 6. The teams that create the most innovative solutions and produce the cleanest code will get a chance to win prizes of $5000 and also get their applications adopted by Grindr.

We’re hoping you’ll share this information with your students who can then build interesting solutions and get a chance to showcase their coding skills. You can find more details about the hackathon here - https://www.hackerearth.com/sprints/0FeetAway-Hackathon/

NOTE: If this isn’t the right way to get this hackathon out to your students or we need to reach out to someone else in your department, please let me know.

Thank you,

Sachin Gupta
Co-founder HackerEarth
Gap Inc. - Internship for Computer Science / IT students

Gap Inc. has posted few internships and jobs for Computer Science/IT students on Pringlio. Please forward these internship links (below) to all of your Computer Science/IT students (current and those graduating). We are not able to post these jobs on your job boards, as a courtesy we are forwarding these jobs/internships to you.

Thanks,
Pringlio Team

Gap Inc. - Internships for Computer Science / IT students - Summer 2016

1) Software Engineer 1 - Internship (San Francisco)
https://www.pringlio.com/job/1004

2) User Experience Designer (Interaction) Intern (San Francisco)
https://www.pringlio.com/job/1011

3) Web Content Developer - Internship (San Francisco)
https://www.pringlio.com/job/1008
Student Opportunity

Computer Science and Engineering student(s) interested in helping design a comprehensive marketing and social media package for a growing informational program please continue reading...

Redefining Surgery

Redefining Surgery is an exciting new surgery information and communication project. The goal of the project is to create a comprehensive multimedia presence that will provide a vehicle for information exchange for the best and brightest young minds interested in a career in surgery or one of its subspecialties. The goals of this specific opportunity will consist of (1) expanding and redesigning the website (www.redefiningsurgery.com); (2) adding to a series of informational videos currently available on YouTube including the development of a podcast series (www.youtube.com/user/redefiningsurgery); (3) increasing the sophistication and exposure of the project on social media (www.facebook.com/pages/Redefining-Surgery/277883412236128; twitter.com/#!/@RedefineSurgery); and (4) developing an interactive mobile Redefining Surgery application for iOS and Android platforms.

The ideal student would be one with expertise in the coding and organization of the materials needed for the objectives above, specifically for state of the art website authoring and iOS application development. In addition, the student should be social media savvy and come with ideas as to how to bring this project to Facebook, Twitter, Instagram, etc. in a professional manner. The applicant might have some interest or experience in the health field, but this is not necessary since they will be working closely with a team of clinicians and medical students who can provide medical content. This opportunity might be ideal for someone who themselves may be considering medical school and potentially a future career in surgery.

If interested, please contact:

Peter R. Nelson, MD, MS
Associate Professor of Surgery
Associate Chairman for Research and Innovation
pnelson1@health.usf.edu
C: 352-222-8038
Position Title: PT KidsCode Instructor

Program Description: The Computer Mentors Group KidsCode program is seeking part time instructors to assist with our mission of helping youth choose Information Technology careers. The position is part-time and runs year-around. KidsCode is a program for late elementary school aged youth and runs in several locations throughout Hillsborough County.

Role: This position will act as an instructor and technology mentor to assist youth from 4th to 8th grades as they work towards learning programming skills through three levels:

- Graphical interface programming – Tynker, Blockly.
- Web development – Dash.generalassemb.ly, Code Combat
- Robotics – Lego Mindstorms, Dash and Dot (Blockly)

Responsibilities & Duties:
- Work closely with KidsCode manager to facilitate KidsCode program
- Assist students in completing work required to learn foundations in programming using technology tools and provided curriculum
- Assist students in completing work required to learn web development, including basics in HTML, CSS, and JavaScript
- Assist students in completing work required to learn robotics design and programming
- Assist maintaining computer lab and facility
- Actively learn any technologies and instruction methods to support a high-performing education environment

Compensation & Hours
- $15 per hour standard.
- Flexible hours according to training schedules.
- Level II background check required after hire

Qualifications:
- Must LOVE to work with youth
- Good knowledge of classroom management
- Good knowledge of computer software and hardware
- Ability to learn new technologies and teaching techniques
- Ability to measure student outcomes using provided methodology
- Demonstrate professional programming experience a plus
- Demonstrate professional teaching experience
- Must have reliable transportation

How To Apply: Send resume and cover letter to Jeannie Bohn of Computer Mentors Group via E-mail to: JBohn@computermentors.org. Please learn more about our organization and programs by visiting our website at: http://computermentors.org.
Jesuit High School is now accepting applications for:

**Full-Time Computer Science Teacher**

**Our Mission Statement:** Jesuit High School, in its mission as a Catholic, Jesuit, college preparatory school, labors to form men engaged in the world who are dedicated to serving God by being open to growth, intellectually competent, religious, loving and just.

**Job Outline:** Jesuit High School seeks a highly motivated candidate to teach an engaging multi-year sequence of modern Computer Science courses. The successful candidate will be given the autonomy to develop a computer science program for grades 10 through 12 based on topics which could include structured programming, object-oriented programming, problem solving, algorithms, data structures, control systems, data collection and analysis, interacting with remote information, and modeling and simulation through the context of real-world applications and projects (e.g., games, mobile apps, robotics, artificial intelligence, etc., depending on the interests of students and teacher).

**Requirements:**

- BS in Computer Science (or closely related field)
- Eligible to obtain a Florida teaching certificate.

**Special Instructions:**

Please send resumes to the Principal’s office. Email is preferred, or via FAX or US Mail, using the information noted below.

Interested candidates should address all inquiries to the contact person below:

Ms. Paulette Mack, School Registrar
Jesuit High School
4701 N Himes Ave  Tampa, FL  33614

Phone: (813)877-5344 x508
Fax: (813) 872-1853
Email: pmmack@jesuittampa.org
Parliament Tutors is a full-service, education management company specializing in tutoring, customized workshops, intervention/remediation, curriculum development, language services and more.

We are currently seeking a tutor for college level Java programming in Tampa, FL. The ideal candidates have tutoring and/or teaching experience as well as superior standardized test scores. Candidates must be able to pass a FULL BACKGROUND CHECK. Tutors can expect to meet students at their residences or at a mutually convenient library.

Interested applicants can email a resume/CV to Alexis at alassonde@parliamentprep.com
We are wanting to hire an individual to update our website www.bormanconstruction.com. You can reach Lynda @ 813-857-6375 or email Lynda @ bormanconstruction@verizon.net for further information.
**Job Description:**
*Please note: Seminole Electric prefers a candidate who is able to work a minimum of two (2) semesters prior to graduation.*

To provide support to System Operations personnel by performing routine tasks such as load forecasting, linear regression modeling, and Operations data analysis. In addition, development and maintenance of System Operations Energy Management System (EMS) software, databases and displays.

**Qualifications:**
*Please note: Seminole Electric prefers a candidate who is able to work a minimum of two (2) semesters prior to graduation.*

You must be approved as a USF Cooperative Education student by USF Career Services. If you receive an official offer for this position you will be expected to enroll in the Co-op course. Please contact the Co-op Coordinator at co-op@usf.edu if you have any questions or are interested in applying for Co-op eligibility.

**Education:**
High school diploma plus 30 credit hours of undergraduate courses in preparation for a Bachelor of Science degree in Information Technology, Electrical Engineering or Computer Engineering.

**Knowledge Skills and Abilities:**
Knowledge of basic engineering principles obtained through education. Understanding of Power System Control applications (SCADA/AGC, Economic Dispatch) and Power Flow applications (State Estimation, Contingency Analysis) is helpful. A working knowledge of computer languages such as Java, C++ and C#, as well as PC applications such as Microsoft Excel, Word and Access is desirable. He or she must possess sound math and analytical skills. Must have the ability to communicate effectively. Ability to understand computerized solutions to engineering problems is helpful.

**Working Conditions:**
All work will be under normal office conditions. Regular working hours apply. Flexible hours.

**Application Instructions:**
Please send your resume to shuffman@seminole-electric.com
MindSumo Projects

Dear Students,

Please review the latest computer science projects from MindSumo. MindSumo partners with employers to create projects that you can complete to get work experience, win prizes, and be hired for jobs and internships. Questions can be directed to aaron@mindsumo.com

Create a virtual reality application with Autodesk© Forge - $1500 in prizes

Use Adobe ColdFusion for .PDF manipulation - $1000 in prizes

Build an idea sharing and collaboration web app - $1000 in prizes

Direct Links:

https://www.mindsumo.com/contests/forge-viewer

https://www.mindsumo.com/contests/coldfusion-pdf

https://www.mindsumo.com/contests/idea-sharing-web-app