Dear CSE Students:

Welcome to the final newsletter of 2016.

| Message from the CS and CpE UG Advisor: | Happy holidays to everyone! John Morgan, the current IT advisor, will be start as the CS and CpE advisor in Spring, so you may want to stop by his office at some point to say hi. You can find his office inside the main departmental office (ENB 342A). I’ll continue as a co-advisor in Spring as he is getting settled into his new position, and you can still find me in ENB 301C. My Spring office hours will be Mondays, Wednesdays, and Fridays, 11am-4pm. |
| Message from the IT UG Advisor: | I have relocated to ENB 342B in the Computer Science and Engineering suite. In addition to advising Information Technology, I will also be joining Dr. Hendrix in advising Computer Science and Computer Engineering folks. It will probably take me some time to get up to speed. Please be patient as I take on this new role. I plan to offer both walk-in advising and scheduled advising appointments. I will announce these hours soon. During the first week of classes I will focus on walk-in availability. These appointments will be limited to fifteen minutes and focused on registration issues. I will be available on eScheduler soon. If you are having a registration issue contact me. Have a healthy and productive 2017. |
| Message from the Grad Program Assistant: | Hello graduates! For those who plan on taking the Qualifiers in Spring 2016, please talk to your professors and get those forms filled out. Those that are still interested in classes that are already filled - please be sure to send me an email with all of your information and the course(s) information so that I can add you to the wait list. Finally, please enjoy the holiday break! See you all next month. |

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

- REUs at USF, UCONN, and FMMI
- Tenure-track position at University of the Virgin Islands
- Adjunct position at Florida Polytechnic
- Teaching position at Montverde Academy (IT)
- Summer Undergraduate Research Fellowship
- Spring Break opportunity for black/latinx undergrads
- Lockheed Martin recruiting (updated)
- Kforce positions
- Jabil internship
- iD Tech Summer Camp staff positions
- Jabil Hackathon
- MuniMod Hackathon

Regards,

William Hendrix
Outgoing Undergraduate CS/CpE Advisor (and Newsletter Editor)
Email:  whendrix@usf.edu

The archive of old newsletters can be found at http://www.usf.edu/engineering/cse/undergraduate/student-newsletter.aspx
A Combined Research Experiences for Undergraduates
AND Study Abroad Summer Program in Spain
May 22 to July 29, 2017

The Department of Computer Science and Engineering at the University of South Florida in Tampa, FL in collaboration with the Departamento de Informática of Universidad de Oviedo in Oviedo, Spain, announces a combined Research Experiences for Undergraduates and Study Abroad program in the city of Oviedo for summer 2017. The program, for qualified junior and senior undergraduate students, is funded by the National Science Foundation’s Research Experiences for Undergraduates (REU) program.

The REU program is built upon the experience of running this same program for more than 10 consecutive years in USF. It will provide exciting research opportunities in the area of Ubiquitous Sensing under the mentorship of USF and UNIOVI professors. Ubiquitous Sensing encompasses the integration of smartphones with sensors and Internet technologies to address large-scale societal as well as individual problems. Students will learn Android programming to collect raw sensor data and apply computer science algorithms and techniques to the data to help people navigate, improve their health, authenticate users, recognize the user activity, analyze walking patterns, etc. Selected students will work with faculty, share their experiences with fellow participants, attend workshops, acquire oral and written presentation skills, and learn how to conduct independent research and collaborate in a foreign work environment.

The program will also offer excellent study abroad activities. Students will take a course on Spanish History and Language, participate in social and cultural events sponsored by the city of Oviedo, take tours of the city and surrounding places of significant historic importance, and planned trips to Santillana del Mar, a XIII century city, the Caves of Altamira, Ribera del Duero, one of the most important wine regions, and visit the Roman aqueduct and the Alcazar in Segovia.

Students will be awarded a stipend of $5000 plus travel, meals, on campus housing, international insurance with emergency service, passport costs, and attendance to all cultural activities. Please apply as soon as possible but no later than January 15, 2017. Applicants will be selected on a continuous basis until all 10 positions are filled. U.S. Citizenship or permanent residency is required. Women and minorities are encouraged to apply. The application form, contact information, instructions and all information about the program can be found at http://www.cse.usf.edu/REU.
Functional Materials and Manufacturing Institute introduces the 1st Annual Research Experience for Undergraduates (REU)

Join a dynamic research team at the Functional Materials and Manufacturing Institute to participate in cutting edge research in Materials Science and Engineering.

- Additive Manufacturing
- Neuroengineering for Sensory Systems
- Functional Membrane Materials for Energy
- Digitally-Manufactured Microwave Devices AND MORE!

NOW ACCEPTING APPLICATIONS

RESEARCH AREAS IN MATERIALS SCIENCE

- $4600 Stipend
- On-Campus Housing
- Opportunity to work with skilled professors and graduate students

FEATURES ABOUT THIS REU

APPLY

Application Window: January 1-31, 2017
Visit: fmmi.usf.edu/REU

Email: fmmiREU@usf.edu
Telephone: (813) 974-3041
Have you ever considered starting your own business, seeking a patent for one of your ideas, or are interested in cutting edge research and translating those ideas to the marketplace? If so, UConn’s Entrepreneurial REU is for you!

Join us for a 10-week REU program:
**June 5th – August 11th, 2017!**

The aim of this E-REU is to provide students with a truly integrated research and entrepreneurship training experience, giving them both depth in fundamental engineering research, as well as breadth in entrepreneurial skills. As part of this REU, you will take part in cutting edge research on commercializable ideas with UConn faculty, as well as participate in an entrepreneurship program developed by co-PI and UConn’s Entrepreneur-in-Residence, Dr. Hadi Bozorgmanesh.

**Benefits:**
- Fully paid housing in UConn residence halls
- Meal allowance ($500)
- $5000 stipend ($500/week)

**Application Details:**
Talented students underrepresented in advanced scientific and engineering research, including veterans, are especially encouraged to apply. Eligible students must be enrolled/intending to enroll in an engineering or closely related STEM field. Please visit [e-reu.engr.uconn.edu](http://e-reu.engr.uconn.edu) to apply online.

**Application Deadline:** **March 15th 2017**

Your application must include:
- One letter of reference (1 page max)
- Your current resume (2 pages max)

**Affiliated E-REU Faculty:**
- Kaz Hoshino – Biomedical Engr.
- Guoan Zheng – Biomedical Engr.
- Krystyna Gielo-Perczak – Biomedical Engr.
- Anson Ma – Chemical Engineering
- Radenka Maric – Chemical/Materials Engr.
- Luyi Sun – Chemical Engineering
- Wei Zhang – Civil and Environmental Engr.
- Baikun Li – Civil and Environmental Engr.
- Jeff McCutcheon – Chemical Engineering
- Leslie Shor – Chemical Engineering
Good morning Lashanda,

Here is the job posting for a Computer Science professor at the University of the Virgin Islands.

https://careers.uvi.edu/postings/1694

Thanks.

Troi Williams, M.Sc. in Computer Science
Doctoral Student, Department of Computer Science and Engineering
Robot Perception and Action Laboratory (http://rpal.cse.usf.edu)
University of South Florida

Contact: troi@mail.usf.edu | (340) 998-0000 | @troi_cs
Adjunct Instructor, Computer Science and Information Technology

Position Type:
Part-Time, Full-Time

Job Description:
Teach one or more sections of COP2271C: Introduction to Computation and Programming (Python), COP2272C: Computer Programming 1(C++), or COP3330C: Computer Programming 2 for Spring, 2017.

Job Responsibilities:
• Preparing and managing course materials and instruction.
• Following the provided course outline.
• Assessing the learning objectives.
• Evaluating students and submitting the grades.
• Update the syllabus according to Florida Polytechnic University syllabi format.
• Hold office hours for students to help them through the course and to answer their questions.

Minimum Qualifications:
• Master’s degree in Computer Science, Information Technology, or related field with 18 graduate credit hours in the field of study.

Required Documents:
• Resume.
• Unofficial transcripts required.

Initial Application:
To apply, please email the required documents to Dr. Youssif Alnashif (yalnashif@flpoly.org).
Educational Computing Instructor

This full-time teaching position in Montverde Academy’s new Information Technology Academy focuses on helping students to develop IT knowledge and skills and to achieve industry certifications such as CompTia A+, Microsoft Office Specialist, and Microsoft Technology Associate. The position also includes work with recruiting and marketing activities for the IT Academy. Montverde has a diverse student population representing more than 60 countries, including large populations of native speakers of Mandarin, Portuguese, Spanish, and French. Preference will be given to candidates with experience teaching IT courses, with graduate degrees in computer science or related fields, and with industry certifications in subject areas (CompTIA A+, Network+, Security, MOS, MTA).

Benefits include:
- Competitive salary with available health coverage and retirement
- Safe, nurturing academic community with high standards of achievement and discipline within a family-oriented atmosphere
- Tuition remission available for children of full-time faculty and staff
- Professional development and continuing education support
- $34 million facility on a beautiful 125-acre campus that is supported by a healthy endowment

Established in 1912, Montverde Academy is a coeducational independent college preparatory boarding (7-12) and day school (PK3-12) located in central Florida. Montverde is accredited by FCIS, SAIS, and FKC, and has been accredited by AdvancED-SACS since 1927. All candidates must complete an application for employment and be willing to submit to a background check and drug test prior to beginning work.

Find more information about Montverde Academy online at montverde.org. To apply, send your resume and statement of teaching philosophy to Mr. Troy Urquhart, Dean of the Upper School, at troy.urquhart@montverde.org.
The SURF Program is designed to inspire undergraduate students to pursue careers in STEM (science, technology, engineering, and mathematics) through a unique, hands-on, research experience that supports the NIST mission. Over the course of 11 weeks, SURF students contribute to the ongoing research under the guidance of a NIST scientist or engineer from one of the seven NIST laboratories (Center for Nanoscale Science and Technology (CNST), Communications Technology Laboratory (CTL), Engineering Laboratory (EL), Information Technology Laboratory (ITL), Material Measurement Laboratory (MML), NIST Center for Neutron Research (NCNR), and Physical Measurement Laboratory (PML)) in Boulder, CO or Gaithersburg, MD.

To promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.

Benefits
- Stipend of $500 per week during the 11-week fellowship period
- Housing at a location near the host site. (Note: Participants will have a roommate.)
- Limited travel reimbursement to NIST host site.
- Gain first hand knowledge of what it’s like to work at a government lab through hands-on research exposure
- Development of professional networks with leading scientists and laboratories
- Enrichment opportunities through professional development opportunities

Overview
The SURF Program is designed to inspire undergraduate students to pursue careers in STEM (science, technology, engineering, and mathematics) through a unique, hands-on, research experience that supports the NIST mission. Over the course of 11 weeks, SURF students contribute to the ongoing research under the guidance of a NIST scientist or engineer from one of the seven NIST laboratories (Center for Nanoscale Science and Technology (CNST), Communications Technology Laboratory (CTL), Engineering Laboratory (EL), Information Technology Laboratory (ITL), Material Measurement Laboratory (MML), NIST Center for Neutron Research (NCNR), and Physical Measurement Laboratory (PML)) in Boulder, CO or Gaithersburg, MD.

Application Deadline
February 15, 2017

Eligibility
Students meeting the following conditions will be considered to participate in the SURF Program:
- A United States (U.S.) citizen or permanent U.S. resident with a valid green card as of the application deadline
- Enrolled full-time at a U.S. accredited 2-year or 4-year college or university during the time of application
- Currently, classified as a college freshman, sophomore, junior, or senior
- Cumulative GPA of 3.00 or higher on a 4.00 scale as of Spring 2016. GPA is a participation requirement and will be verified at the time the appointment is accepted.
- Majoring in a science, technology, engineering or mathematics (STEM) field with interest in measurement science, standards, and technology research.
- Plan to pursue a career or graduate degree in STEM.

If you are interested in satisfying your curiosity about physics, electronics, manufacturing, chemistry, materials science, engineering, robotics, fire research, information technology, or superconductors as a participant in the NIST SURF Program, please visit: www.nist.gov/surf
Hi friends,

This comes to us from our partners at the CFMRU (the consortium) and offers a funded opportunity as an alt spring break - this looks very cool and it's in our backyard!

Thanks for sharing with your students!

---

**Latoya Hodge**
Latoya.Hodge@ucf.edu

I hope this message finds you well. I’m reaching out to pass along a wonderful opportunity for black and Latinx students.

Please forward this information to students, your colleagues, and appropriate university communication channels.

***********

Code2040 is hosting the 2nd Annual Tech Trek this March! Tech Trek is an alternative Spring Break for Black and Latinx college students majoring in Computer Science or Computer Engineering. It's an all-expense paid trip to the Bay Area designed to connect students with Black and Latinx technologists and to help students access tools to push their careers in the right direction.

—Code 2040 Tech Trek application is open now until January 31st!
Please encourage students to apply today:
Link to application: [http://www.code2040.org/apply-to-trek](http://www.code2040.org/apply-to-trek)
Happy Holidays!
La Toya Hodge, M.B.A.
Assistant Director, Communications and Strategy
Florida Consortium of Metropolitan Research Universities
12424 Research Parkway – Suite 101
Orlando, FL 32826
Office: 407-823-1870
Mobile: 321-246-1775
Fax – 407-823-1886

Florida Consortium of Metropolitan Research Universities

The Florida Consortium of Metropolitan Research Universities aims to produce more career-ready graduates with lower debt, better training and workforce skills that meet the demand of Florida’s growing economy. The Florida Consortium is a collaborative endeavor between Florida International University, the University of Central Florida, and the University of South Florida. Operationally formed with consultation and support from the Helios Education Foundation, the Consortium will grow the number of degreed professionals and positively impact Florida’s economic development. Consortium institutions serve 47% of State University System total enrollment and 54% of the state’s undergraduate minority enrollment.
Hello Ms. Lightbourne,

I’m the LM campus recruiter assigned to USF. I sent the information to Russ about our openings a while ago. I apologize if someone didn’t include my contact information in the ad.

Just as an FYI, please announce to your Computer Science majors with May of 2017 grad dates that we are going to be having a major hiring event in our Fort Worth, TX facility next month with Aeronautics Company.

If anyone is interested in applying with us, and is willing to relocate to Texas, please have them create a profile in our website at www.lockheedmartinjobs.com and email me once they are done. Our basic requirements includes:

- Spring Grad Date
- The ability to obtain clearance
- Be a US Citizen
- BS in Computer Science or Software
- Familiar with MatLab, C++, and Java languages.
- Familiar with software development or software engineering tasks

I greatly appreciate you reaching out. Please feel free to share my contact information with any of your students.

Thank you for inquiring.

Denise Berrios Torres
Recruiter, Lockheed Martin
University Talent Acquisition
(C): Phone 407-461-2476 │ Email: denise.berrios.torres@lmco.com

Join Our Talent Network

Join Our Talent Network

From: Lightbourne, Lashanda [mailto:llightbo@usf.edu]
Sent: Thursday, December 1, 2016 7:10 AM
To: Helpdesk, LMCareers (RESOURCE) <lmcareers.helpdesk@lmco.com>
Subject: EXTERNAL: Software Engineering job ad from Denise Berrios Torres
Program:
This is an ELITE program and opportunity for recent grads to get a crash course in cutting edge technology. You will be exposed to different phases of the IT lifecycle all while performing QA testing. Some phases you will be exposed to are manual testing, automation testing, and unit testing to name a few.

This will be a 12-month program with the expectation to roll perm after the 12-month period.

YOU MUST HAVE: A Bachelor’s degree in an IT related field

Growth potential after this program will either be in a developer role or BA/QA functional position depending on your interest and project availability.

This is a PAID program. You will be working at an award winning company for hiring recent grads! The pay is between 17-19/HR.

Please contact me if you are interested and I would be more than happy to meet with you. Ecolon@kforce.com or 813-552-1426 (please leave a detailed message if I do not answer)

Junior Manual Tester:
A client in Tampa Bay, FL is seeking a Jr. Manual Tester for a Contract to Hire opportunity at an amazing company! Always voted best places to work in Tampa and constantly growing. YOU MUST HAVE 1-2 years of manual testing experience is required. In addition, you will need to available to start full-time on Wednesday, January 4th! This pays between 20-25/hr

Here is some required skills:
- 2 + years testing software including Web, Client Server applications, SharePoint and .NET applications
- Exceptional written and oral communication skills
- Aptitude and desire for learning new technologies
- Ability to self-organize and manage your time
- Ability to learn business concepts quickly
- Project experience in writing manual test cases and executing manual test cases
- Good understanding and experience with agile development practices, including unit testing and continuous integration
- Willingness to take on additional responsibility to ensure team success and quality solutions
- Team player that understands how your own work is important to the team's success
- Ability to multitask across different projects
- Experience using TFS on projects
- Experience interacting with developers to help resolve bugs/defects
- Experience in functional, system, integration, UAT and regression testing
- Must be a critical thinker with the ability to think outside the box and build test cases that are comprehensive (include positive tests, negative tests etc.)
- A strong sense of ownership and a willingness to work with team members to drive out successful solutions
- Ability to work overtime when needed based on project schedules
- A caring attitude - care about what you do, who you do it with and how you're going to be successful in the end Great to Haves!
- Project experience testing Financial Audit and Advisory applications a big plus
- Experience with hands-on coding/software development in a .NET environment is a plus Kforce is an Equal Opportunity/Affirmative Action Employer.
All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, age, protected veteran status, or disability status.

Please contact me if you are interested and I would be more than happy to meet with you. Ecolon@kforce.com or 813-552-1426 (please leave a detailed message if I do not answer)
About Jabil
Jabil is a global product solutions company providing comprehensive services to electronics and technology companies in a broad range of industries. Jabil helps customers turn ideas into products with its wide breadth of design, manufacturing and product management capabilities; allowing customers to think beyond their conventional marketplace and explore new opportunities. Jabil brings customer products to the market faster and more cost effectively by providing intelligent digital supply chain solutions around the world; empowering companies to be the change agents in their industries. Headquartered in St. Petersburg, Florida, Jabil has 100 facilities in 28 countries and 180,000 employees worldwide.

Software Developer Intern – Spring 2017
Intern will assist the Hardware Innovation team with ongoing development of a collaborative web based application. Intern will develop and maintain web applications for Jabil Digital DFx Collaboration tool. You may also be assigned specific projects either as part of, or in addition to, the day-to-day activities related to your assignments.

- Research, develop, and implement customer requested product features
- Develop an understanding of features and provide input and options for effective ways of implementation or improvement of end user requirements
- Coordinate development and testing, and implement new features for user acceptance testing and release to production
- Track development activities and progress against deliverables and big fixes
- Deliver features on time and per requirements
- Provide weekly status updates of work and progress
- Participate in customer demos and stakeholder feedback sessions
- Flexible work schedule given potential deadlines
- May perform other duties and responsibilities as assigned

Position Requirements:
- Currently in pursuit of a Bachelor’s degree with a graduation date between August 1, 2017-June 30, 2020 or Master’s degree with a graduation date between August 1, 2017 – June 30, 2018
- Adhere to all safety and health rules and regulations associated with this position and as directed by supervisor
- Comply and follow all procedures within the company security policy

Preferred Qualifications:
- Preferred majors: Computer Science or Management Information Systems/BAIS, or other related majors
- Strong academic performance (3.0 or better GPA)
- Proficient in SQL Server, ASP.NET web forms, Microsoft Office and limited C#
- Demonstrated leadership experience
- Strong interpersonal skills (verbal and written)
- Teamwork mentality
- Strong analytical skills
- Ability to develop, document and complete test cases
- Ability to track and communicate progress on a regular basis
- Ability to understand database structure and interconnectivity
- Highly organized with attention to detail

NOW HIRING
Summer Camp Staff

WORK. PLAY. INSPIRE.
Are you ready to make an epic impact on over 50 kids’ lives in one summer? Inspire the next generation of innovators and get paid doing it. No other job will compare. iD Tech is seeking talented individuals to put on a superhero cape and teach kids real-world tech skills. In a fun and creative summer camp environment, you’ll gain unique resume-building experience with a few grand lip sync battles and pies in the face along the way.

WHAT’S IN IT FOR YOU?
• Competitive Pay
• Networking Opportunities
• Leadership Development
• Room & Board
• Internship Credits/Hours

Choose from over 150 locations.
• Travel or stay close to home!

WHY JUST WORK WHEN YOU CAN INSPIRE?
Teach at the world’s #1 summer tech camp.

APPLY NOW: iDTech.com/instructors
Join Jabil and the University of South Florida Muma College of Business for a special Hackathon event that emphasizes the role of IT in manufacturing. Jabil is partnering with USF to challenge students to design and create sustainable software that breaks the barriers in technology and make a global impact.

There has been an increasing focus on chatbots within the tech community. Chatbot have been integrated into Facebook messenger, Twitter feeds etc. The goal of this Hackathon is to explore chatbots usage in the world of manufacturing. This hackathon focuses on acting like a knowledge base for the operators on the floor or act like an intelligent assistant. This is an avenue to explore the various possibilities in this space.

The competition will consist of 6 teams of 4 members each with an option of adding a Jabil employee, who acts as a potential coach. A judging board will be establish with a wide range of technology leaders, and both School and Jabil Representatives providing and overall enhanced mixed of education and manufacturing workplace experience.

Hackathon Rules:
1. Participants must be 18 years or older and enrolled at USF at the time the hackathon takes place
2. All participants provide their own equipment
3. Participants will form their own teams and identify a team leader
4. All demos must be submitted within the time parameters of the event as defined by Jabil
5. Participants will own all intellectual property for their work completed at the hackathon

Judging Criteria:
1. Creativity/Innovation
2. Technical capabilities
3. Practical application
4. Presentation/pitch

Prizes: each member of the winning team will receive a $250 gift card.

USF Students: Sign up on slack channel to collaborate and ask any questions you have for Jabil: https://jabilhackathon.slack.com/signup

We encourage the students to sign up on the slack channel. All the event organizers and technical people are on slack. Any questions can come there. Also this will be a space to form teams and pick any Jabil coaches if needed.

https://www.facebook.com/events/1728783310777355/

Here are some general links for hackathons:
https://www.techopedia.com/definition/23193/hackathon
https://www.sparkpost.com/blog/hackathon-necessities/

Please register here:
MuniMod Hackathon

MuniMod culminates with The Summit, a 24-hour hackathon that brings all participating teams together to build and pitch their civic innovation. Each team represents their university and competes for a $10,000 Grand Prize!

- $10,000 Grand Prize
- $200 Stipend Upon Completion
- World Class Advisors & Mentors
- The Chance to Improve Civic Life

Summit Schedule*

**FRIDAY APRIL 28TH**

12:00 PM Opening Ceremony
1:00 PM Work Session Begins

**SATURDAY APRIL 29TH**

1:00 PM Work Session Ends
2:00 PM Demos & Judging
3:30 PM Closing Ceremony

*Schedule subject to changes before event

Apply by October 25th
www.munimod.com

Program Overview

MuniMod is statewide competition. University teams attend virtual webinars to learn about city government. Applying this knowledge, the teams will develop solutions for cities, leading up to the final sprint at the MuniMod 24-hour hackathon in Orlando.

Summit Details

April 28th-29th
FLC University
135 E. Colonial Drive, Orlando, FL, 32853
Meals and a Place to Crash Provided

More Info / Directions: www.munimod.com

MuniMod is a civic innovation program powered by the Florida League of Cities and Domi Station. We’re looking for 10 teams, each representing their university, that are interested in using technology to modernize municipal government across Florida.

ABOUT FLORIDA LEAGUE OF CITIES
The Florida League of Cities is the united voice for Florida’s municipal governments. Its goals are to serve the needs of Florida’s cities and promote local self-government.

ABOUT MUNIMOD
MuniMod is a civic innovation program powered by the Florida League of Cities and Domi Station. We’re looking for 10 teams, each representing their university, that are interested in using technology to modernize municipal government across Florida.