Dear CSE Students:
Welcome to the first newsletter of the Fall 2017 semester.

Message from the UG Advisor:
- Welcome to the fall semester of 2017. If you are still trying to fill your schedule, please come in for advising. Details about my schedule are on the [CSE website](http://www.cse.usf.edu).
- Remember, USF has a first-day attendance policy. If you miss a class, your seat could be up for grabs. Also, add-drop occurs during the first week of classes. The period ends at 5:00PM on Friday, August 25th. If you are planning to graduate, make sure you pay attention to the graduation deadlines. There is a process in place that you need to follow in order to graduate.
- The start of a new semester is a great time to get involved with a [student organization](http://www.cse.usf.edu). Have a great semester!

Message from the Grad Program Assistant:
- To all new students, Welcome to USF! And to everyone else, Welcome Back!
- If you have been appointed as a TA/RA for Fall 2017, please do not forget to submit your Tuition Waiver to me at your earliest convenience.
- We will have a Department Orientation for this semester. It is highly recommended for everyone to attend as important information will be covered. Here is the breakdown of each session:
  - PhD Orientation – August 25th at 9:00am in CUTR 102
  - TA Orientation – August 25th at 10:30am in CUTR 102
  - MS Orientation – September 8th at 9:00am in CUTR 102

Attached are announcements for the following (please note that this listing does not imply University or Department endorsement):
- Announcement: Graduation Application Deadlines
- Event: Welcome Back to School for IT Students
- Event: USF CONNECT Speed Interview Event
- Internship: Wakely seeking IT Intern
- Internship: Boson seeking Software Development Intern
- Internship: ReliaQuest Threat Management seeking Content Development Intern
- Internship: SOFWERX seeking Computer Science Intern
- Part-Time Job: Tembo Education seeking Full Stack Developer or Web Developer
- Part-Time Job: Daddyandhisherd.com seeking Wordpress Specialist
- Part-Time Job: LD Systems seeking Back End Web Developer
- Contest: MindSumo Campus Analytics Challenge

Regards,

Professor and Associate Chair of UG Affairs
GRADUATION APPLICATION DEADLINES FOR 2018

Department of Computer Science and Engineering

The following are Departmental graduation application deadlines for graduation in Spring, Summer, and Fall 2018 for undergraduate students. If you expect to graduate in 2018, you must see Dr. Hendrix (CS and CpE) or Dr. Small (IT) before the application deadline with a completed graduation application in hand. The application deadlines are:

- Spring 2018 – Department deadline is **October 27, 2017**
- Summer 2018 – Department deadline is **March 23, 2018**
- Fall 2018 – Department deadline is **March 23, 2018**

Note that that Summer 2018 and Fall 2018 application deadlines are the same. This is not an error.

You will need to fill-out the *College of Engineering Graduation Checklist* to meet Departmental requirements. This form (and instructions on what to do) can be found via the Department website. See here:

[http://www.usf.edu/engineering/cse](http://www.usf.edu/engineering/cse)

(from Department homepage navigate to Undergraduate > Apply for Graduation)

Students in the Computer Science and Computer Engineering programs should see Dr. Hendrix. Students in the Information Technology program should see Dr. Small.

If you have any questions, please do not hesitate to contact us. Please do us – and yourself – a big favor, to avoid a long line, do not wait until the last minute.

Dr. Hendrix
Email: whendrix@usf.edu
Office: ENB 301C

Dr. Small
Email: sksmall@usf.edu
Office: ENB 343F
You're Invited

Back to School

Welcome Back Students!

Please join us as we kick off the new school year!

Meet your new IT coordinator!
   Connect with peers!
   Find out what's new in IT!

Meet our special guests:
   Tim Nale (BIC)
   Sebastian Alzate (Salesforce)

Free Refreshments!

When: August 23rd, 2017 at 2pm
Where: CUTR 102
Hiring Start-Up Companies:

Join us for a Speed Interviewing Event with Tampa Bay Technology Incubator companies!

TBTI companies are looking to fill a variety of internship positions including marketing/sales, graphic design, software/program development, crowdfunding, educational content development, science research and lab work, etc. Paid & unpaid internships available.

Schedule of events:
- 3:45 - 4:00 PM: Network/visit company tables
- 4:00 - 4:40 PM: Speed interviewing with companies (must register for a time slot)
- 4:40 - 5:00 PM: Network/visit company tables

NOTE TO INTERNATIONAL STUDENTS: Internships are provided by individual companies, not by USF. Please contact the Office of International Services to check visa restrictions, if applicable.

Register at:
usfconnect1.eventbrite.com

For questions, contact Laurie Sullivan at rsch-usfconnect@usf.edu
Position: IT Intern - Network

Wakely Consulting Group is seeking candidates who are interested in internship opportunities in the Information Technology field. Become part of a unique culture that gives you the freedom to innovate, to make decisions, to achieve your full potential and to chart your own career.

What you’ll need:

- Currently enrolled as an undergraduate student with a declared major in Information Technology, Computer Science, Information Science, or a relevant program AND within 12 months of graduation.
- Experience installing and maintaining Microsoft Windows based computer hardware and software.
- Understanding of computer networks, cabling, and network file and print services.
- Proficiency with Microsoft Office (Outlook, Word, Excel, and Power Point).
- Excellent analytical, written and oral communication skills.

What you’ll do:

- Assist users with network, logon issues, computer configuration, and other support situations.
- Assist users with basic conference room and audio/visual technology questions.
- Provide basic software support of Microsoft Windows, Microsoft Office, and mobile operating systems.
- Perform maintenance of computers, printers, and other technology.
- Set up and deploy new technology equipment as directed.
- Research and test new software.
- Other duties as requested or assigned.

What you’ll gain:

- Involvement in a team oriented atmosphere.
- Increase your technical skills through practical application.
- Exposure to business issues and challenges.
- Opportunity to leverage your computer knowledge and analytical skills.

Perks:

- Casual dress code
- Regular employer sponsored events
- Massages
- Snacks, beverages and occasional free lunches
- Learning opportunities

To apply:

Send a cover letter and resume to recruiting@wakely.com

About Us

It is the policy of Wakely Consulting Group to provide equal employment opportunity (EEO) to all persons regardless of age, color, national origin, citizenship status, physical or mental disability, race, religion, creed, gender, sex, sexual orientation, gender identity and/or expression, genetic information, marital status, status with regard to public assistance, veteran status, or any other characteristic protected by federal, state or local law. In addition, Wakely Consulting Group will provide reasonable accommodations for qualified individuals with disabilities. www.wakely.com
Are you seeking an internship opportunity in a dynamic software development environment, where each team member’s input is valued, and where you can see the results of your work in a product that is the leader in its market? Would you be interested in learning about leading-edge technologies such as virtualization, cloud and mobility? If so, perhaps an internship with Boson Software is the opportunity you’ve been looking for.

Boson Software is a small, privately held software development company with over 15 years in our industry. Our ideal candidate will be working with our Tampa (Oldsmar), FL–based software development team on projects related to our web applications. Our web development environment includes technologies such as C#, ASP.NET, SQL Server, and Web Services. Knowledge of responsive web design is a huge plus.

Qualified candidates will be comfortable working with a small, agile team and handle multiple projects/tasks simultaneously. Must be a motivated, fast learner. Our developer candidates will have attained or are pursuing a degree in one of the computer sciences. Other relevant degrees with verifiable experience in the required technologies may be considered.

Students interested in an internship with Boson Software should contact Lisa Schmidt at lisa.schmidt@boson.com or by telephone at 813-925-0700.
The ReliaQuest Threat Management Team is currently looking to fill an internship position on their Content Development team, where the student will gain exposure to a wide variety of cyber-security projects. Here’s a glimpse into the Content Development role, although their duties are very dynamic:

- Research and deconstruct cyber attacks into sequenced Indicators Of Compromise (IOC) detectable through network device logs
- Create abstract rules to detect network intrusions based on IOCs
- Conduct open ended analysis of large data sets in order to find network activity baselines as well as abnormalities
- Implement SIEM rules across variable environments in ArcSight, Qradar, LogRhtyhm, McAfee ESM, Splunk, and AlienVault
- Test rules in a lab environment using penetration testing tools
- Clearly and effectively document your work to inform multiple audiences of how to use your work

There is a great amount of exposure and experience that students seeking a career in cyber-security will gain from this program.

Applicants should have a passion for security alongside the attitude, energy, and effort that ReliaQuest seeks in all employees.

If interested, please send your resume to Abigail Mauch (amauch@reliaquest.com).
Undergraduate Student – Computer Science

Reports to: ARCE Project Manager, Peter Jorgensen. Principle Investigator is Dean Robert Bishop.

Preferred College Year: Undergraduate Level, Junior or Senior
Hours per week: 20 hrs./wk. (Fall & Spring)
Pay: 15/hr.
Duty Location: At SOFWERX in YBOR City and on campus.

Job Summary: Assist in the design, development, testing, and documentation of flight software for a CubeSat-class satellite. Identify, compare, and recommend available core flight software systems. Design, build, test, and integrate custom software modules to interface with the satellite hardware.

Qualifications:

1. MUST BE US CITIZEN
2. Education: Pursuing undergraduate degree in Computer Science
3. Strong background in software engineering
4. Strong C, C++, and Python programming skills
5. Experience with GNU/Linux systems
6. Experience with source control e.g. git
7. Experience working with a variety of engineering students
8. Effective written and oral communication skills
9. Good planning and organizational skills
10. Self-motivated and can work alone and with a team
11. Must be willing and able to work in a dynamic, rapidly changing environment.

If interested, please email your resume and/or CV to Tim Baxter (baxtert@usf.edu) by August 25th.
Full Stack Developer or Web Developer

Location: Remote
Company Description:
We are Forbes 30 Under 30 Entrepreneurs.

Tembo educates 0-6 year old children, via text messages. We aim to transform early childhood education for the world by making high-quality education more accessible and affordable for millions of children worldwide. We started in Africa and are now expanding to new countries.

Our solution uses a high-quality curriculum to teach parents play-based activities, via text messages. The parents then educate their children in their own home. We assess the learning process through a quiz via text. For educating their child and answering the quiz correctly the parent is rewarded with free incentives. IBM called us, "the Uber of education."

Learn More: www.TemboEducationGroup.com

Apply Now: www.TemboEducationGroup.com/careers
Job opening at Daddyandhisherd.com

To Whom it May Concern

I am writing to inform you of an open position at a new company of mine (Daddyandhisherd.com). We are building a content based website that will focus on family travel. This website will use affiliate links and ads to support itself. It will not have, at this time, a function for selling items on the website, or needing major security features for PII. We do want to build an email list though to have a monthly or weekly newsletter.

We have the content, we just need an individual who is proficient in WordPress to assist us in the creation of some website templates and layouts. We are looking at approximately 3-5 templates for various types of content. After that, there will be minor maintenance and updates need for the various WordPress Plugins.

This will be a paid position, not for school credit. The pay will be based on the level of experience the student has – ranging from $15 an hour to $18 an hour. The work will mostly be able to be completed via remote however, we will expect there to be at least 2-3 meetings to go over the content and layout of the materials. All driving time and meeting times will be compensated and we will do our best to schedule these around your class schedule.

If interested, please send a resume that has: 1) coursework, with professors listed, that is applicable for this type of work, 2) any and all websites that function on WordPress program that you have control over, or have assisted in the development, and 3) previous work experience to show your ability to complete tasks in a timely manner.

John Sullivan
813-391-6630
john@daddyandhisherd.com
OBJECTIVE
We have an Allen-Bradly 1768-L43 PLC with a 1768-EWEB server communication card module. The EWEB module presents pre-defined representations of data in the PLC as HTML pages with XML code. The program should monitor 4 pages (XML codes). As each is updated, the program should retrieve data from a database using web services or SOAP code already developed and send it via FTP to the corresponding XML file (overwriting the file) Web pages hosted in the EWEB module, which will update the information displayed based on the values saved in the XML files.

FIELDS TO MONITOR
The PLC receives data from 2 different scanners, SCANNER1 and SCANNER2 and each is presented on a separately defined HTML page in the EWEB module. The program must monitor these fields, and take the appropriate action when the value in them changes. There are also 3 separate pages in the EWEB module to which confirmation information is written after the PLC takes actions. The program should monitor these fields as well and when a new message is displayed, append it to the appropriate file.

ACTIONS
When SCANNER 1 reads the bar code on a tote passing by it, the PLC captures the bar code and posts it to the EWEB SCANNER1 page. When a new bar code appears, the program should detect that and retrieve from tables on the host Linux server Oracle database the following fields:

For PRINT and APPLY printer
Tote ID, product description, work order number, component number, lot number, expiry date, sequence number 1, sequence number 2, sequence number 3, sequence number 4, sequence number 5, sequence number 6, sequence number 7. There is a custom HTML page on the EWEB containing this information. The program should write this data in XML format and use FTP to send the data to that page.

For scale and weight QC check
Tote ID, QC instructions, minimum weight and maximum weight. There is a separate page in the EWEB for the information. The program should write this data in XML format and use FTP to send the data to the page. When scanner 2 reads the bar code on a tote passing by it, the PLC captures the bar code and posts it to the EWEB SCANNER2 page (by updating the corresponding XML file). When a new bar code appears, the program should detect that and retrieve from a table on the host Linux server Oracle database the field lane destination.

CONFIRMATIONS
Each time the PLC causes a label to print and be applied to a tote, receives the weight of a tote from the scale and decides whether to send it to QC or sends a tote to a specific destination as a result of lane destination information, it writes a confirmation message to one of 3 separate HTML pages on the EWEB. When the content of any of these 3 pages changes, the program should append that message to a file on the local PC to serve as a log of events.

EXCEPTION
When a tote has an ID of 99999999, the PLC will cause the system to bypass all normal operations and send that tote directly to a reject lane in the sortation area. In that case, the program will not look up data in the Linux host Oracle databases, but will still read and write the information from the confirmation pages in the EWEB.

PLEASE CONTACT BOB SUTPHEN: 386-316-0624 or RSUTPHEN@LDSLC.COM
or RICARDO MARTINEZ: 768-448-2403 or RMARTINEZ@LDSLC.COM
We at MindSumo just partnered with Wells Fargo on a campus analytics challenge!

MindSumo is a platform that provides real company projects for college students to help them develop professional skills and valuable experiences for resumes. We have worked with over 350 companies in the past and have over 300,000 students in our community.

This Wells Fargo challenge launches on September 1st, has a prize pool of $11,000 for the top 7 winners and the company also wishes to recruit students that send in the best ideas.

[Wells Fargo Campus Analytics Challenge- What can you build better with us?]