Dear CSE Students:

Welcome to the sixth newsletter of the Spring 2015 semester.

Undergraduate Program (CS and CpE): Registration for Summer and Fall classes is in full swing. There are MANY open seats in the summer hardware electives - we need to get more registration for those classes. Ethics is full; only fall graduating students will be considered for the waiting list. If you need a permit for a class, you will need to see me during my office hours.

Undergraduate Program (IT): As part of the ongoing TEAm grant, UCF will be offering an online course in System Administration and Maintenance (CNT 4603) that USF BSIT students can take and count towards a Departmental elective. Information on this course and how to reserve a seat will be posted here (currently posted is for Spring 2015, this will be updated soon): http://www.csit-team.org/offered-courses/ (note that this course was available in Spring 2015 and the syllabus is posted for your review). Please contact the IT advisor, Ms. Wetmore, for more information.

Graduate Program: For Ph.D. students, the Admission to Candidacy deadline for this semester is April 10. At this time, I will need your Admission to Candidacy form, Plan of Work and Committee Appointment Form. For those of you planning on graduating in the summer, your graduation checklist is due April 17. Your graduation checklist must be submitted before you can apply for graduation through OASIS.

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

- REU in Cyber Security and Forensics at UALR
- USF Tallahassee Internship Program
- USF Legislative Internship Program
- W3C Conference hosted by Nielsen
- Computer Mentors - Technology Mentor– STEM Corps Afterschool/Summer Program
- Technology Virtual Career Fair – April 14th
- JP Morgan 2015 Technology Analyst Program - Summer Analyst (Tampa)
- ORSA INTERN: Req #: 1187608
- Sypris Cybersecurity & Software Engineering Internship Positions Available Now!
- KinaTrax - Systems Engineer (Tampa Bay / Saint Petersburg Area, FL)
- MindSumo Projects

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
REU in Cyber Security and Forensics at UALR

Motivated and talented students are invited to apply for paid summer research internships to gain hands-on research experience in cyber security and forensics, in particular, the security and forensics problems in mobile computing, cloud computing, and social computing. This opportunity is open to only ten students across the country.

Highlights:
- Eight week paid program (May 25 to July 17, tentative) - $4,000 stipend in total
- Travel, housing, and meals will be provided as necessary
- Open to all academic level (Freshman, Sophomore, Junior, & Senior) students in computer science or related majors
- Students in Math, Physics, or Engineering are also encouraged to apply

Where: NSF REU Site at UALR - Project Lead: Dr. Mengjun Xie

When: May 25 - July 17, 2015

Application Deadline: March 31, 2015

Requirements: Students must be U.S. Citizen or Permanent Residents

Qualifications: GPA of 3.0 or above

Further details and information, please visit:

[https://sites.google.com/a/ualr.edu/cs-reu-site-ualr/](https://sites.google.com/a/ualr.edu/cs-reu-site-ualr/)
The USF Tallahassee Internship Program (TIP) offers undergraduate students the opportunity to work in the state capital in Tallahassee during Florida’s 60-day legislative session.

Each student is paired with an elected official or organization actively involved in Florida’s public policy process.

The academic foundation for the internship will be provided by a three-credit course during the Fall 2015 semester (IDS 4910) on the Tampa campus. In the Spring 2016 semester, each student will be in Tallahassee spending 5 days each week in the official’s office to earn 6 internship credits (IDS 4941 & POL 4942). During the legislative session, students will meet for a 3-credit Tallahassee seminar (POS 4910). A total of 12 credits will be earned from both semesters. For those needing 12 credit hours for the Spring semester, an independent study will be developed.

Students will be responsible for tuition and fees, transportation to the state capital and all expenses they incur during the program. A $3,500 scholarship awarded by the USF Alumni Association and the College of Arts & Sciences will help defray expenses during the program.

Submit one copy each to Dr. Joan Pynes (SOC 398, pynes@usf.edu) and Angela Crist (CHE 300, acrist@usf.edu) by April 10th and include:

1. Your transcript (it can be unofficial but must be a transcript, not SASS)
2. A résumé (be sure to list special skills; e.g., language, computer, etc.)
3. A 300-word essay explaining why you are interested in the public policy process, what you hope to learn from the internship and what experiences and skills you bring to it.

Please be available for interviews starting April 13th.

Learn more at spa.usf.edu/tip
The USF Legislative Internship Program (LIP) allows students to work in the offices of federal, state and local legislators, public policy think-tanks and policy boards.

Each student is paired with an official actively involved in Tampa Bay’s economic development, transportation, environmental protection, education, health, social welfare and/or public finance issues. A USF liaison and faculty members maintain regular contact with the student and official to ensure each party’s goals are being met.

Students spend 9 hours per week in the elected decision maker’s office to earn 2 credits (IDS 4942). The academic foundation for the internship is provided by a 2 credit weekly seminar (IDS 4910) that meets on Thursdays from 4-5:50 PM (be sure to keep this time open in your schedule). Students earn a total of 4 credits in the USF Legislative Internship Program.

Students will be awarded a $300 USF Alumni Association Scholarship.

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Name

UID

Credits (# of)

Major

Address

Phone (_____)  

USF Email

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Submit one copy each to Dr. Joan Pynes (SOC 398, pynes@usf.edu) and Angela Crist (CHE 300, acrist@usf.edu) by April 10th and include:

1. Your transcript (it can be unofficial but must be a transcript, not SASS)
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Please be available for interviews starting April 13th.

Learn more at spa.usf.edu/lip
Dr Christensen,

I wanted to open up the opportunity for USF CSE students to participate in an international W3C conference being hosted at Nielsen in Tampa. Participation requires submission of position papers by April 6.

Important Dates

6 April, 2015: Deadline for submission of Position Papers

13 April, 2015: Acceptance notifications and registration instructions sent

29-30 April, 2015: W3C Workshop on Digital Marketing

Workshop topics

Possible topics include, but are not limited to the following:

- **Security, and interaction with security measures.** Advertisers are facing pressure to crack down on click-fraud and to weed "bad actors" out of their systems. At the same time, an increased emphasis on Web security is causing publishers to lock-down their content and strengthen the web application security model. Advertisers need to be involved with the security conversations to find secure modes of ad insertion and interaction with websites and data.

- **Data-gathering.** Web-native data-exchange standards can operate with user consent to let voluntary disclosure (e.g. of shopping carts for comparison pricing or update) be more powerful than surreptitious collection.

- **Measurement.** A specialized subset of data-gathering is measurement of where users have been exposed to marketing messages, particularly as their dispersion is carried out through many intermediary layers.

- **Performance.** Advertisers and publishers are concerned that insertion of ads, particularly by the real-time auction markets, slow page loads, making them less likely to be viewed. Understanding the causes of slow page-loads can spur standards work to improve their performance options.

- **New technologies.** Marketing is developing and using new Web technologies, including second screen synchronization; geo-tagging and geo-beacons; indoor location-finding; marketing in data-rich applications; Web & TV interaction.

More information can be found at: [http://www.w3.org/2015/01/digital-marketing-workshop.html#participate](http://www.w3.org/2015/01/digital-marketing-workshop.html#participate)
Ayaz Hemani  
Emerging Leaders Associate - Engineering  
Global Business Services  
Nielsen 1.813.366.5263  
Cell 1.813.508.7741  
Fax 1.813.434.2206  
www.nielsen.com
Position Title: Technology Mentor– STEM Corps Afterschool/Summer Program

Program Description: The STEM Corps program is seeking a Technology Mentor, who will serve as an instructor to assist with our mission of helping youth choose Information Technology careers. The position is part-time and runs year-around.

Role: The individual will act as a coordinator, webmaster, and technology mentor to assist the STEM Corps program in the areas of:

- Website development
- Mobile App development
- Videography

Responsibilities & Duties:
- Sustain positive relationships with partner facilities and their representatives.
- Work closely with STEM Corp Manager
- Assist manager with assignment and implementation of NPO projects to students
- Work closely with Program Director and Program Manager to facilitate afterschool and/or Summer Program

Compensation & Hours
- Up to $20/hr. (commensurate with experience)
- 5:00 p.m. to 8:00 p.m. Monday through Thursday – afterschool
- Hours will vary for Summer program
- Background check required

Qualifications:
- Demonstrates mastery within Microsoft Office Suite (MOS Certification preferred)
- Proficiency with Windows, Mac, iOS, and Android
- Excellent communication skills
- In-depth understanding of program processes and outcomes
- Ability to engage community members in a dialogue that promotes the organization’s messaging
- Attention to detail
- Working knowledge of WordPress
- Ability to use social media, such as Facebook, Instagram, LinkedIn, and Twitter
- Ability to mentor youth from diverse backgrounds
- Basic understanding of Mobile Apps and Video
- Must be able to thrive in an almost constantly changing environment
- Must LOVE to work with youth

How To Apply: Send resume and cover letter to Computer Mentors, Human Resources via E-mail to: CDouglas@computermentors.org. Please learn more about our programs by visiting our website at http://computermentors.org and specifically the program site at: http://Kids-Code.org
Past Events

TECHNOLOGY VIRTUAL CAREER FAIR – Hosted by UCF, USF, & FIU – APRIL 14, 2015
REGISTER NOW (This online event is an easy, efficient way to meet employers!) *LEARN MORE HERE
Featuring Full-time, Intern, & Co-op Jobs for Computer Science & Technology Majors!

Florida Consortium of Metropolitan Research Universities

Technology Virtual Career Fair  April 14, 2015

Looking for a Job, Internship, or Co-op?
Save Valuable Time & Meet Recruiters Live Online.
www.CareerEco.com/Events/FloridaMetro

Jobseekers in Computer Science & Technology are invited
to interact via chat sessions and meet top-notch employers
recruiting sought-after IT candidates.
This Virtual Career Fair is free for students & alumni to attend!

What Others Have Said About Virtual Fairs
  "I wish being in contact with recruiters was always this easy"
  "It's a great opportunity to interface with employers,
   but doesn't require complicated logistics."
  "Convenient, simple, fast...Good choice!"

Virtual Career Fair Dates: April 14, 2015
Attend the Fair from Anywhere.
For more information:
FloridaMetro@careerEco.com | 770.980.0088

Chance to Win an Amazon Gift Card

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Greetings Students,

JP Morgan Chase has opened up several positions related to Application Development for the Summer. Please review the position description shown below. Apply online at the Techcareers.jpmorgan.com site, and also send an email (referencing your name) to mai-anh.l.chmiel@jpmorgan. Please submit at your earliest convenience as they plan to select candidates by Friday March 20th, 2015

Positions: Programmers for Summer Intern positions
Majors: Computer Science
        Computer Engineering
        Electrical Engineering
        IT, CIS and MIS
GPA: 3.2 minimum

website: Apply online Techcareers.jpmorgan.com with copy to mai-anh.l.chmiel@jpmorgan

2015 Summer Technology Analyst Program - Tampa

Business Area
Corporate

Program
Corporate - Technology

Position
Summer Analyst

Vacancy Year
2015

Location
Tampa, FL

Job Description
To say technology is a vital part of our firm is an understatement. There’s not a single part of our business that isn’t empowered and enhanced by the creative thinking of our technologists – and the industry-leading solutions they provide. Join us and you’ll work alongside, and learn from, some of the brightest minds in the industry across our consumer, wholesale and corporate businesses. Whether you work as an Application Developer, Business Analyst, Infrastructure Engineer or Systems Engineer, you’ll play your part in turning our technologies into a competitive advantage for the firm.

Throughout your time with us, you’ll be learning – both on-the-job and more formally through professional development workshops. It will all start with a robust orientation session. After that, you’ll have your very own mentor to support and advise you through the program. And to cap it all off, you’ll be invited to our speaker series and a whole host of other exclusive events. Which means you’ll have the chance to meet, and learn from, colleagues – including senior leaders – and extend your professional network to other areas of the firm. You’ll also have the chance to join us full-time after successful completion of the summer internship and upon graduation.
What you need to bring
Passion. Drive. Commitment. A real sense that you’re someone who is highly motivated to build a career in this field. We’ll be looking for all of these things. You’ll also be expected to back up your ambition with strong academic credentials (GPA of 3.2+ preferred) and knowledge of IT programming languages, networks, databases, etc.

Requirements needed:
• Working toward a B.A./B.S. degree; Computer Science, Computer Engineering, Electrical Engineering and/or MIS is preferred — other majors may be considered
• Masters students with one year or less working experience may be considered
• Previous related internship experience and/or other relevant experience is preferred
• Strong written/verbal communication skills
• Working knowledge of programming languages (i.e., C, C++, Java, C#, Python, Visual Basic, SQL, etc.)
• Working knowledge of networking, database and infrastructure and/or server administration for Infrastructure Engineers

But what we’re most interested in is you as a person: your qualities, outside interests and achievements beyond academia that demonstrate who you are and the difference you could bring to the team.

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applicable laws and regulations. Please refer to http://www.jpmorgan.com/pages/disclosures for
disclosures relating to European legal entities.
ORSA INTERN: Req #: 1187608

Key Role:

Construct and maintain a comprehensive operational assessment capability. Design, develop, and apply a variety of decision analytics, mathematical and statistical techniques, modeling and simulation and other analytic methods combined with military judgment to solve complex operational and planning challenges. Provide actionable, clearly communicated recommendations and analytical products to support client planning and operational decisions. Develop operational assessment information displays, decision briefings analytical papers, and directly support planning teams to enable operational planning and facilitate senior leadership decisions. This position is located in Tampa, FL with no remote delivery authorized.

Basic Qualifications:

- Experience developing operational assessment methodologies and metrics
- Experience using automated statistical packages in support of ORSA projects including programs such as Microsoft Excel, Minitab, SAS®, SPSS®, R or others
- Excellent written and verbal communication skills
- Currently pursuing a BS degree (ORSA or Engineering related)
- Must be a U.S. Citizen, and clearable for an interim Secret clearance
- Current GPA or 3.0 or higher

Additional Qualifications:

- Experience with military planning, assessment and operations
- GCC Area of Responsibility experience
- BS degree in ORSA, Industrial Engineering, Data Science or similar discipline
- Active security clearance

Candidates will need to build a profile on the Booz Allen Hamilton website. Link is below.


**Interested candidates need to apply with resume to Russ Coughenour Assistant Vice President USF Career Services @ russellc@usf.edu by March 31st, 2015**

Salary is $17/hour

Start date: June 1st, 2015
Cybersecurity & Software Engineering Internship
Positions Available Now!

We’re seeking junior, senior, or graduate level candidates.
We’re located unbelievably close, only ½ mile south of USF.

Your Internship May Include:
• Developing software for our industry leading Cyber Security Training platform, as a member of our team using current best practices
• Incorporating real world tools and techniques into our product for network defense, attack, and exploitation training
• Application of security technologies, security protocols, and applied cryptography
• Participation in the creation/modification of software and software based tools for embedded encryption systems

Qualified Candidate Requirements:
• Documented US citizenship
• Hands-on programming skills in C, C++, and C#
• Experience with Windows, Linux and/or Android OS
• Strong interest in computer security or software engineering

Ideal Candidate Will Have:
• Participated in Cybersecurity activities (Capture the Flag, White Hatters, etc.)
• Exposure to various aspects to the Software Development Lifecycle (SDLC)
• Cybersecurity or Software Engineering related coursework
• Good oral and written communication skills

Apply Today via Employ-A-Bull

Sypris Electronics, LLC
www.sypriselectronics.com
10901 N McKinley Drive
Tampa, FL 33612

Sypris Electronics, LLC provides goods and services to the U.S. Government and other prime contractors and is obligated by its contracts with those entities, as well as by various Federal laws and regulations regarding security and export control, to restrict access to certain goods, services, and and/or any related information. Accordingly, Sypris Electronics has a policy of only hiring U.S. citizens. Upon employment, all employees will have to provide evidence verifying U.S. citizenship.

Pre-employment drug screening required.

Sypris Electronics is an Equal Opportunity/Affirmative Action Employer
All qualified applicants will receive consideration for employment regardless of race, color, national origin, religion, age, sex, sexual orientation, gender identity, protected veteran or disabled status, or genetic information.
Systems Engineer (Tampa Bay / Saint Petersburg Area, FL)

Sports Markerless Motion Capture

KinaTrax is a dynamic markerless motion capture R&D company. We are seeking a qualified Systems Engineer to operate and manage our state-of-the-art markerless motion capture system installed at a local professional sports venue.

Responsibilities for this position include:

- Operate and troubleshoot video acquisition hardware and software at a professional sports venue.

- Provide on-site status updates to the client regarding the state of the system. This will include delivery of technical presentations.

- Communicate system status reports and work collaboratively and remotely with the software development team located in the South Florida area.

- Specific date commitments May through September. required - to be discussed during interview.

Prospective candidates must meet the following credentials:

- 2+ years completed towards a computer engineering/science degree.

- Extensive experience in operating computer software. Experience in operating camera hardware is a plus.

- Experience and interest in computer vision, image processing, machine learning or related fields.

- Flexible with work hours and can work weekends.

Interested candidates should contact Steven Cadavid at scadavid@kinatrax.com.
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

**Analyze Clicks and Bounce Rates from Online Couponers for RetailMeNot** - $1000 in prizes

**Develop New Applications for Local Storage** - $1000 in prizes

**Propose a “Smart Queue” System for Diebold’s “pop-up” Banks** - $1000 in prizes

Direct Links:

