Dear CSE Students:

Welcome to the third and final newsletter of the Summer 2017 semester.

Message from the UG Advisor:
Summer classes are near an end and the Fall term rapidly approaches. Fall courses begin on Monday, August 21st. Remember, you can still adjust your schedule until the end of the first week of classes on Friday, August 25th. Your schedule should be locked in by 5:00PM on the 25th of August. If you still have concerns about the Fall, I recommend that you schedule advising ASAP. During the week before classes and the first week of fall, I will be very busy advising students. Details about my schedule are available on the CSE website.

Message from the Grad Program Assistant:
- If you are graduating Fall 2017, the College deadline is August 4th
- Please do not forget to register for classes the Friday before Fall semester begins (Friday, August 18th) to avoid a late registration fee
- If you have received an email from RM regarding an offer letter, please sign this letter as soon as possible to avoid any delays on pay.

Attached are announcements for the following (please note that this listing does not imply University or Department endorsement):
- AI / IoT / Cybersecurity With The Best Conference
- Looking for Volunteers - The Coding School
- Summer Game Jam Contest - GameDev Club at USF
- Enrolling for Summer - NSF Innovation Corps
- Research Software Developer Position - Moffitt Cancer Center
- CitiBank Employment Opportunity
- Trainee Engineer Position - ApTask
- Policy Fellow Position - Cavarocchi-Ruscio-Dennis Associates, L.L.C.
- Full-Time Job Opportunities - Superion
- Entry Level Software Developer Position - Swyft Interactive

Regards,

[Signature]

Professor and Associate Chair of UG Affairs
You are invited to AI / IoT / Cybersecurity With The Best!
October 14th & 15th

The world’s largest online conference kicks off this fall stronger than ever by assembling the best industry leaders, disruptive minds, and visionaries. You’ve read their books and applied their work - now it’s time to ask them questions, talk to them individually, accept their challenges, and get their feedback! 300 speakers interact with you through live talks, Q&A’s, forum and 1-to-1 video calls. Topics range from ML to cyber intelligence to industrial IoT.

Confirmed speakers for October 14&15th:

Ian Goodfellow - Research Scientist, Google Brain
Hugo Larochelle - Research Scientist, Google
Sandy Carter - VP, Amazon Web Services
Louis Monier - Head of AI, AirBnB
Tim Abels - Director of Server Architecture, Intel
Ashok Banerjee - CTO and VP Engineering, Symantec
Andreas Mueller - Lecturer in Data Science, Columbia University
Roman Yampolskiy - Assistant Professor, University of Louisville
Patrick McDaniel - Distinguished Professor, Penn State
Timnit Gebru - PhD Student, Stanford University

Student ticket $20 with discount code
WTBAI, WTBIOT, WTBCYBER
The Coding School - Looking for Volunteers!

The Coding School is partnered with UCLA and USC, and since its founding in 2014, we’ve taught over 2,500 K-8 students at 16 schools throughout California. Our team is comprised of over 120 passionate university students majoring in computer science.

While our focus thus far has been on long-term coding instruction through in-school and afterschool programs, we believe coding is the key to social mobility, and therefore, have begun an initiative called codeConnects, which is an online platform that offers one-on-one computer science instruction and mentorship to underrepresented middle and high school students.

Because we want to have the most impact possible, we’re calling on all software engineers, coding professionals, and university students majoring in computer science to commit to volunteering 1 hour a week for the school year to teaching and mentor a student. We would love to have as many students from University of South Florida participate and hope you will help us.

PASSIONATE ABOUT TEACHING CODING TO KIDS?

Want to help increase the diversity of the field of computer science by offering one-on-one lessons and mentorship to K-12 students from the comfort of your own home?

The Coding School (TCS), a non-profit organization dedicated to empowering the next generation through computer science education, is looking for students majoring in computer science to teach coding to underrepresented middle and high school students via our online platform, codeConnects! Your commitment can be as little as one hour a week.

To sign up and learn more about The Coding School and codeConnects, please fill out the form below:

https://goo.gl/forms/tWN5Xgf6M9ecjkg2
The GameDev Club at USF invites you to participate in our biggest competition ever, with $900 in prizes!

The challenge is to develop a game that will be published as part of a science-fiction e-book. It is a remote competition, and teams will have until July 29th to submit their game. The winning team will be given two more weeks to complete the game and receive $700. Second place is eligible to receive $200 if their game mechanic is reusable in a different part of the e-book.

Sign Up: bit.ly/GDCSummerJam

Ask questions and chat with us on Discord: https://discord.gg/SBzrGB7

Visit our website to learn more about GameDev Club: http://gamedevusf.com/
NOW ENROLLING FOR SUMMER!

USF Faculty & Students:
If You’ve Got a Great Idea …
For a Product, Technology or Service…
The USF I-Corps Program Can Help You Take It to the Next Level

- Find and talk with potential future customers
- Develop a successful business model canvas
- Fine-tune your technology into a commercially viable product
- Participating teams receive up to $3,000.

Sign Up Now for this short 4-week course
Thursdays, 2-5 PM, July 25, Aug. 3, 10, & 17
USF Research Park

For More Information:
http://innovation.usf.edu/icorps/
813-974-0466
Location: Moffitt Main Campus, 12902 Magnolia Dr
Department: Bioinformatics Core
Employment Status: Full Time
Hours per Pay Period: 80
Shift: Day Shift
Hours: M-F 8-4:30p

Job Details
Moffitt Cancer Center is internationally recognized for our focus on personalized cancer care and translational research. The mission of Moffitt is clear, focused, and fully stated in nine words, "To contribute to the prevention and cure of cancer." With a tradition of excellence that began with the first patient admission in 1986, dedicated Moffitt physicians, scientists, and staff members have remained committed to excellence in an atmosphere characterized by kindness, caring, and hope.

Bachelor Degree
H. Lee Moffitt Cancer and Research Institute is a modern facility in Tampa, Florida. We strive to be the leader in understanding in the complexity of cancer through team science and applying those insights for human benefits. Be part of the cure by joining Moffitt's team of over 800 research faculty scientists, career staff scientists, postdocs, graduate students and support staff dedicated to cancer research.

Position Highlights
- Development of software applications.
- Development of new applications and tools for visualization of "omics" data within a database.
- Database loading, web-based visualization and corresponding annotation of large-scale 'omics data sets.

The Ideal Candidate
- Experienced software developer with experience in informatics pipelines and database solutions for large data sets.
- The successful candidate will be a strong communicator, and will be very engaged and hands-on with faculty and staff and will work closely with members of the Cancer Informatics Core scientific and administrative teams.
- The candidate will bring knowledge of software development and database solutions along with a strong customer service based approach.

Responsibilities
- Performs software/database development for specific projects with guidance from more senior developers.
- Collaboratively engage faculty, staff and senior software developers for project initiation, development of scope of work and project rollout.
- Must maintain accurate and appropriate records of software and database development, core usage and time management.
- Possess and display excellent written and verbal communication skills in all methods of communications to both external and internal end users.
- Must be able to perform with adequate supervision and follow project deliverables and timelines.

Credentials and Qualifications
- Bachelor's degree in Computer Science or related field.
- Experience with Linux and scripting required.
- 5 years of experience in software development and database design or administration.
- Strong programming skills in Java, C, C++, and object oriented design.
- Excellent SQL/database development and optimization background strongly preferred.
- Experience with Oracle databases and PL/SQL strongly preferred.

Equal Employment Opportunity
Moffitt Cancer Center is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or protected veteran or disabled status. We seek candidates whose skills, and personal and professional experience, have prepared them to contribute to our commitment to diversity and excellence.
Citibank Employment Opportunity

Job Description
This position sits within the model validation team for derivative pricing models in the capital markets. The candidate will be exposed to flow, exotic, and index products and should possess strong quantitative skills. Validation work will involve reviewing model assumptions, verifying the mathematical formulation, independently implementing the business/desk model when appropriate, developing benchmark models to conduct effective challenge, and assessing and quantifying model limitations to inform stakeholders of model risk to determine compensating controls. This position will have high visibility as the successful candidate will face off with stakeholders in the business, development group, risk management, model governance, and regulatory agencies.

Job Responsibilities:
- Manage model risk across the model lifecycle including model validation and ongoing performance assessment
- Represent the bank in interactions with regulatory agencies, as required.
- Provide effective challenge to model assumptions, mathematical formulation, and implementation
- Assess and quantify model risk due to model limitations to inform stakeholders of their risk profile and development of compensating controls.
- Contribute to strategic, cross-functional initiatives within MRM organisation.

Desired Educational Qualification, Skills, Experience and Characteristics
- Minimum of a Master's degree in a quantitative field (physics, mathematics, computer science, etc.)
- Experience in the front office or model validation of derivative products a plus, especially in Equity/Hybrids pricing (Local Volatility, etc.)
  Strong derivative pricing skills a must (stochastic calculus, numerical techniques, Monte Carlo, PDE, Tree decomposition, numerical integration, coding in C#/C++/python).
- Strong communication skills with the ability to find practical solutions

If interested in this position, please use the following contact information:

Joseph Fogarty - jcfogart@mail.usf.edu
My name is David and I work for ApTask, a staffing and recruiting firm based out of Edison NJ.

We currently have positions for the Full Time role of a Trainee Engineer with our client located in Tampa, FL, aimed specifically towards new graduates. This is a really good opportunity for anyone who might have recently graduated with either a Bachelor’s or a Master’s in any computer science discipline.

The exact job description follows and my contact details are at the end of the email.

**Position Details :**
**Job Title:** Trainee Engineer (Compliance)
**Location:** Tampa, FL
**Duration:** Full Time

**Job summary:**
- Development of new programs using various technologies – Java, .Net, Python etc.
- Writing data queries on RDBMS or Big Data
- Understand business requirements, functional requirements and design documents
- Deployment and configuration of new releases
- Unit Testing
- Time management, multi-tasking, teamwork and ability to work independently

**Required Education:**
- BS/MS Computer Science / Computer Engineering (or) Statistics (Math background) (or) Management background (preferably in Finance major)

**Required Experience:**
- Minimum of 6 months of experience on any technology(can include college projects etc.)
- Basic knowledge of Java, SQL, Unix and other technologies
- Awareness on new technologies like Big Data, Machine Learning, NLP, RPA etc.
- Exposure to live development projects (on job or college project)
- Banking & Finance experience is a PLUS!!

**Contact Information:**
David Fonseca, ApTask
davidf@aptask.com
(732)-379-5989
Over the past few years we have had 22 outstanding SUS students or recent graduates work in our full-time Policy Fellow positions (paid at $11.50/hour) here in the firm on Capitol Hill. We are now beginning the search for four new Policy Fellows for the Fall period from September 5 through December 15. We need your help in getting the word out to any of your students or recent graduates who might be interested in living and working with us in Washington during that time.

The duties are varied and range from attending hearings and markups, writing articles on the hearings or other legislative developments, arranging and organizing meetings in Congressional offices, preparing Hill Day materials, providing general support here in the firm, and many other “duties as assigned” that pop up for all of us. It’s a great experience and all of our Fellows have gone on to continued success in government, Congress, lobbying, graduate school, the foreign service or media.

Students or recent graduates who are interested should send a cover letter, resume, and one short writing sample to David Eaton at DEaton@dc-crd.com. If you have any questions, do not hesitate to contact me or David by email or by phone at 202-484-1100. The deadline for applications is July 25th.
Superion offers big company benefits with a mid-sized company employee experience – the best of both worlds!

Our Benefits
- Health, Dental, and Vision
- 401k Savings Plan
- Tuition Reimbursement
- Leading-edge Technology
- Professional Development
- Relocation Assistance

Our Locations
- Lake Mary, FL
- High Point, NC
- Chico, CA
- Carlsbad, CA
- Spokane, WA
- Ft. Lauderdale, FL
- Bethlehem, OA

Our Awards
- Orlando Sentinel Top 10 Employers for Working Families – 5 Years Running
- Corporate Champions in 2014 & 2015
- Alfred P. Sloan Award for Business Excellence in the Workplace Flexibility
- World at Work Alliance for Work Life Progress Seal of Distinction 2013 & 215

Opportunities

Product Support Specialist I – Lake Mary, FL – Full Time
Currently seeking an entry-level Product Support Specialist. Qualified candidates will provide technical and functional product support to customers and employees primarily via the telephone and web support. Position requirements include proven problem solving and analytical skills, proven customer service instructing experience, ability to test software defect fixes and more. Some desired qualifications include Microsoft OS knowledge, Microsoft SQL Server knowledge, and a Bachelor’s degree in a related field or equivalent combination of education and experience.

Software Training Specialist – Lake Mary, FL – Full Time
Currently seeking recent graduates to join our team of entry-level Software Training Specialists. Qualified candidates will configure client systems, participate in projects related to department and company key initiatives as well as complete trip and status reports. TRAVEL REQUIREMENT FOR THIS JOB CAN BE UP TO 75%. Position requirements include Bachelor’s degree in Computer Science, Business or a related field, excellent teaching, presentation and interpersonal skills, proficiency in MS Office applications, SQL Server experience (preferred) and Community Government knowledge (preferred).

Software Implementation Specialist – Lake Mary, FL – Full Time
Currently seeking recent graduates to join our team of entry-level Software Implementation Specialists. Qualified candidates will work with Customers to facilitate and design the use of our administrative software, work in a team environment with project managers and other staff to bring our customers “live” on our ERP system, implement service, primarily Cognos training and report writing. Position requirements include Bachelor’s Degree in Computer Science or a related degree, demonstrated ability to communicate effectively, create presentations, and delivery training, must be able to learn/use the Company’s software with ease, knowledge of reporting tools (preferred).

If you are interested in any of these positions, please email your resume to mayra.estrella@superion.com. If you are interested in seeing any of our other positions available nationwide, please visit our Careers page at www.superion.com/about/careers/open-positions/.
Entry Level Software Developer - Part Time

Swyft Interactive is a local consulting company that provides software development services to small and medium sized business. We are looking for an entry level developer to assist with ongoing consulting projects. The developer would work under the direction of one of the founders on a project by project basis. The current need is for 10-15 hours per week for several months but may be expanded as projects allow.

Responsibilities will include software design and development, testing, communication with clients, and project planning.

The initial project requires a basic understanding of HTML, CSS, and Javascript. Exposure to Perl and Git is beneficial but is not necessary. The most important requirement is a willingness to learn new technologies and adapt to our clients’ needs. We are looking for a student that is motivated to gain real world experience as a software consultant.

Other projects that the developer may be asked to assist on utilize NodeJS, AngularJS/Angular.io, Nativescript, Wordpress, php, and mobile development (iOS and Android). Knowledge of any of those technologies is beneficial but not required.

This position does require the developer to have their own computer and work space (Swyft staff work fully remotely). Occasional face to face meetings may be necessary in the Westchase area.

Interested students should contact us at careers@swyftinteractive.com with either a resume or brief description of personal and college experience.