Dear CSE Students:

Welcome to the first newsletter of the Fall 2019 semester.

Message from the UG Advisor:  Dear CSE Undergraduates,
Welcome back! Remember that your fall schedule should be finalized by the end of the add-drop period. Spring and summer 2020 graduates: submit your graduation checklist prior to the November 1st, 2019 deadline. Computer Engineering majors: Remember that CMOS VLSI Design is a fall-only course. Computer System Design is a spring-only course. Information Technology majors: IT Ethics is a face-to-face course starting this fall. Cybersecurity majors: Secure Software Development and Network Security and Firewalls are not planned for the spring semester. Please plan accordingly—especially if intend to graduate before next fall. Have a fun and productive semester. See the undergraduate section of the CSE website for advising availability.

Message from the Grad Program Assistant: 
- All international students must be registered for 9 credit hours, unless it is the final semester. After add/drop week, you will not be able to make changes to your schedule without a Graduate Petition.
- If you are a TA/RA, make sure that you submit your Tuition Waiver by August 30. You can email the form at gabriela4@usf.edu or drop it off in ENB 342D.
- If you did not attend the new student orientation, be on the look-out for a make-up session. You will have to attend this in order to avoid obtaining a hold on your account.

Attached are announcements for the following (please note that this listing does not imply University or Department endorsement):
- USF Textbook Exchange Program
- USF Career Services Resources
- USF Federal Work Study Job Opportunity
- Student Innovation Incubator
- I-Corps Workshop: From Concept to Commercialization
- USF Internship Opportunity
- Cybersecurity Conference
- HackGT Announcements
- Sigma Xi Research Grant
- CyberFlorida: The Florida Center for Cybersecurity Volunteer Opportunity
- Volunteers Needed for Study Participation

Regards,

Ken Christensen
Professor and Associate Chair of UG Affairs
FACEBOOK TEXTBOOK EXCHANGE PROGRAM

Do you have a used book to sell or buy or exchange, and want to save money. Try https://www.facebook.com/groups/74289623001/

This is a Facebook group only for University of South Florida College of Engineering students where they can post the list of used textbooks they are trying to sell or buy.

The idea is to price the books for less than what they are being sold as “used” at the bookstore or at online websites such as amazon.com (do not forget the shipping costs and delays), but more than what you would be able to sell it for. (For example, the bookstore may offer you $25 for a book that they sell new for $100 and used for $50; you could hence price your book somewhere between $30 and $45). This way the transaction would reduce the textbook costs for all.

I categorically see the benefit of this exchange (I am the author of several textbooks, and do not mind my own royalty checks dwindling for a good cause). It not only makes the textbooks affordable but is also a step towards sustainability.

You can find the titles of the required textbooks at least a month before the semester starts at https://www.bkstr.com/usftampastore/shop/textbooks-and-course-materials

Caution: Make your transactions only in the College of Engineering fishbowl, first floor Marshall center or the USF Library Starbucks during daylight business hours on weekdays in a safe environment. Also, be sure that you are only selling or buying books that are being used for courses in the upcoming semester.

Autar Kaw
Professor, Department of Mechanical Engineering,
University of South Florida
4202 E Fowler Ave ENB118, Tampa FL 33620-5350.
USF Career Services Resources

Career Progression Steps

So you have an understanding of what career progression looks like for college students, read and watch the short videos in the document Career Progression Steps. All students need to view the first video to learn about all of the services that our office has to offer them. Many times when alumni come to see us for the first time, they say that they wished they would have known about these services when they were a student. Freshman and sophomores would benefit by watching the videos in Steps 1 and 2. Juniors and seniors would get the most out of the videos in Steps 3 and 4.

Career Exploration Tools

CandidCareer.com View people talking about their careers.

O*NET Online Research occupations.

Occupational Outlook Handbook Research occupations.

To learn about majors, follow these instructions:

A. Go to www.usf.edu/career-services

B. Select the “Student” tab

C. On the left, select, “What Can I Do With a Major In…”?

D. Scroll down and under, “Major Possibilities,” select, “What Can I Do With This Major?”

E. Select the major that most closely matches your USF major (or feel free to choose other majors to explore). We recommend you print and download this document for future reference.

Finding and Gaining Career-Related Experiences - Becoming Career-Ready

Career Readiness Badging Program

USF Cooperative Education Program

Information on Internships

USF Student Employment Jobs

USF Employment

Background Information About Informational Interviews
200 Informational Interview Questions to Ask

Use CareerShift and Handshake to find part-time jobs and internships.

USF World, International Services

Remember to consider these skill sets when gaining career-related experiences - NACE Competencies

Job Search Tools

Videos

Conduct a Self-Directed Job Search
Resume Development
Mastering the Interview Process

Tools

CareerShift (Great mega database for internship and job search!)
Handshake
Sample Business Resume
Writing an Objective Statement for your Resume
Resume Do’s & Don’ts
Cover Letter Do’s & Don’ts
Guide to Employer Research
Intro to Networking
Elevator Speeches
LinkedIn Checklist
Interview Basics
Big Interview (Best online preparation for interviewing!)
Networking Tips for Introverts

To schedule an appointment with a Career Consultant please email one of the Consultants below or request an appointment in Handshake.

To call our front desk dial 813-974-2171.
Job Description

Info for Applicants (STU Only)

This position is subject to a Level 1 criminal background check.

Job Opening Number: 22531
Posting Date: 08/21/2019
Posting End Date: 08/28/2019

Student Employment

Department: Information Technology

Hourly Wage: $10.00-$13.00 per hour, depending on hours, schedule, and experience

Duties: Primary duties for this role will include but are not limited to:

- Undertake introductory training for process analysis and requirements generation.
- Conduct analysis of structured and unstructured projects or information.
- Generate and organize needs/requirements related to USF’s student information systems.
- Organize content and digital information such as websites and basic spreadsheets.
- Summarize and share findings of completed analysis or research with other members of the Student Solutions team.

In addition, the role may also include Quality Assurance activities such as testing and validation of software/code should the selected candidate have experience in those areas.

What we are looking for: We are looking for a student who…

- …has a passion for learning-by-doing and is interested in process analysis, continuous process improvement, software design, agile methodologies, or related activities in a higher education context.
- …seeks to enhance the student experience at USF and would enjoy possible projects such as improving how “holds” are placed on student accounts, redesigning information related to the catalog of services provided by the Student Solutions team, improving the performance of Banner for USF staff and students, and more.
- …may be interested in piloting a new approach to completing their internship as part of this FWS role.

Average Number of Hours per Week: 15-20

Schedule: Flexible for accommodating class schedule, with preferred hours during business hours of Monday-Friday 8:00am-5:00pm.

Minimum Qualifications: Must be a current, USF student. Applicant must have a current Federal Work Study (FWS) award for the current academic year in order to apply for this position. Applicants are asked to demonstrate proof of their FWS award by saving their “Award Overview” screen from OASIS as a print screen and then pasting it into a Word document and upload it as part of any additional required application materials. If other documents (in addition to your FWS award) are required as part of your application, you must upload ALL documents as one document. If you have questions, please contact Jennifer Utroska, Coordinator of Student Employment at jenniferu@usf.edu.

Preferred Qualifications:

- Available to work 15-20 hours per week.
- Strong analytical and communication skills.
- Ability to work on multiple projects and prioritize work as outlined by supervisor with minimal supervision.
- Must be punctual, trustworthy, and maintain confidentiality with work assignments.
- Strong computer aptitude and ability to learn new systems.

**To access OASIS, log in to single sign-on at my.usf.edu > enter OASIS > choose ‘Financial Aid’ from the menu > choose ‘My Award and Loan Information’ > click the ‘Award Overview’ tab > save this page.** **Note: This page will include applicant’s loan, scholarship, and grant information.**
Evidence of prior experience in conducting requirements gathering and analysis, testing/Quality Assurance, and/or software development.

Standard Learning Objectives:

As a result of this position, student will be able to:

- Initiate processes to determine the nature of a project- analyzing the needs/requirements/goals.
- Plan, undertake, and complete projects.
- Research and analyze a problem from different perspectives.
- Collaborate with coworkers and encourage participation of others in the collaboration.
- Receive and solicit feedback from supervisor and effectively apply feedback on the job.
- Assess workplace and demonstrate how personal talents, skills, and knowledge fit into the employer’s goals, mission, and vision.

Contact Information for Questions about Recruitment: For more information or questions about the position please contact Travis Thompson at tthompson@usf.edu or 813-974-1630

Additional Information for Applicants: Candidates must submit the following in 1 Word or PDF Document:

- An updated Resume
- Cover Letter – Cover letters may be addressed to Jennifer Utroska
- Fall 2019 USF Class Schedule – this can be pulled from OASIS as a screen shot/image
- Federal Work Study Award Letter (see directions under Minimum Qualifications)

To be considered for this position, these 4 components need to be SENT IN ONE DOCUMENT.

For assistance with both documents, please see content & resources here: http://www.usf.edu/career-services/students/job-search.aspx

How To Apply (STU Only)

Click on the Apply Now button. When applying to an opening you will have the opportunity to upload ONLY one Word or PDF document that includes the saved Federal Work Study Award print screen with any additional required application materials.

Apply online by completing the required information and attaching your document. Please include your experience as it relates to the qualifications stated above.

Click here for additional tutorial information.

Equal Empl Opp (STU Only)

USF is an equal opportunity, equal access academic institution that embraces diversity in the workplace.

Work Location (STU Only)

Campus map and location overview: USF - Tampa Campus

About USF

The University of South Florida System is a high-impact, global research system dedicated to student success. The USF System includes three institutions: USF; USF St. Petersburg; and USF Sarasota-Manatee. The institutions are separately accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. All institutions have distinct missions and their own detailed strategic plans. Serving over 48,000 students, the USF System has an annual budget of $1.6 billion and an annual economic impact of $4.4 billion. USF is a member of the American Athletic Conference.
Join the
STUDENT INNOVATION INCUBATOR
CLASS OF 2019-2020

Have a business idea? Build and grow a startup while earning your degree!

Business Idea Development
High-Tech Office Space
Mentoring Program
CEO Seminars
Entrepreneur Boot Camp

APPLY TODAY
DEADLINE: SEPTEMBER 6, 2019
usf.inctrack.net/sii

For more information, visit bit.ly/usf-sii
From Concept to Commercialization

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 customers
• Develop a successful business model
• Turn your technology into a commercially viable product
• Participating teams receive up to $3,000

Sign up now for this 6-week workshop

Mondays, 1pm – 4pm on
9/16, 9/23, 10/7, 10/14, 10/28, 11/4

In USF Research Park

Deadline: 9/6/2019

For More Information

http://innovation.usf.edu/icorps
Web Developer Intern (Student)

Salary Range: $12-18/hr
Hours: up to 20 per week

Description
USF Water Institute, a research institute associated with the School of Geosciences, USF Tampa, is looking for a USF Student with web development experience to join our web team and assist with the development, maintenance and testing of our various websites (wateratlas.org, plantatlas.org, and others).

The student will gain work experience as a Web Developer on Campus at USF. The student will work on web applications for multiple research projects relating to environmental research. The skills learned on the job have helped former students find fulltime jobs after graduation.

Duties
- Designing & Implement new exciting features from user requirements.
- Monitor and maintain production websites.
  - Document, diagnose, and fix bugs.
  - Improve performance.
  - Migrate old codebase to new technologies.
- Use bug tracking/task management system in you day-to-day work.
- Use DevOps pipelines to automate testing and deployment of code.
- Use Source Control (GIT) in your day-to-day work.

Qualifications
The qualified candidate will be highly motivated, extremely detail oriented, and will possess exceptional verbal and written English skills.

Required Qualifications:
- Web programing experience HTML, CSS and JavaScript at an intermediate level or above.
- Classroom or job experience with Object Oriented Programing (C# preferred).
- Ability to write clean, well-documented web code.
- Basic understanding of MVC architecture and RESTful APIs.
- Familiarity with GIT or other version control systems.
- Ability to write SQL queries.

Preferred Qualifications:
- Experience with JavaScript libraries (jQuery and React) and familiarity with ES6 vanilla JavaScript.
- Familiarity with CSS preprocessors (LESS or SASS).
- Knowledge about IIS Server and Web Configuration files.
• Familiarity with VB.NET and Classic ASP.
• Experience with .NET4.5 and .NET Core.
• SQL Server programming experience – Stored Procedures SSIS, and Powershell
• Familiarity with writing Unit Tests.

Other Benefits
• On-campus work with flexible hours.
• Possibility for longer-term/permanent work within the Water Institute.
• Opportunity to work with a prominent technology-driven research center and large county, state and federal agencies.
• Career-development and mentoring.
• Learn new skills in preparation for industry work.
Please join America’s oil and natural gas industry and the world’s leading cybersecurity experts at the 14th Annual API Cybersecurity Conference for the Oil & Natural Gas Industry! Cybersecurity is critical to the infrastructure of the oil and natural gas industry. This conference is organized by API to provide an opportunity to network with cybersecurity professionals, and to candidly discuss challenges and share solutions. The conference is expected to host more than 600 cybersecurity experts from the oil and gas industry, creating the opportunity to learn about the latest developments, share insights, and network with cybersecurity professionals.

API is offering FREE REGISTRATION to 150 junior, senior, and graduate students pursuing degrees in Information Technology and cybersecurity.

Note complimentary registration is available to university students and not university employees.

The 2019 Program will also include over 50 presentations in 3 tracks, including:
- Cloud Computing Security
- Cybersecurity Architecture and Strategy
- Emerging Security Technologies
- Emerging Recent Threats
- Incident Response Management
- Security Awareness/Training
- Third Party/Vendor/Supply Chain Security
- Cybersecurity Metrics/Measures

The 2019 Conference will feature two pre-conference workshops on November 11th, free to conference registrants or available to attend separately:
- Industrial Control Systems Workshop
- Hackathon

The American Petroleum Institute (API) is the only national trade association that represents all aspects of America’s oil and natural gas industry. Our 625 corporate members, from the largest major oil companies to the smallest of independents, come from all segments of the industry. They are producers, refiners, suppliers, pipeline operators and marine transporters, as well as service and supply companies that support all segments of the industry.
Coming to you Oct 25-27th...

HackGT

Into the Rabbit Hole

Register at 2019.hack.gt!

Jul 10th - Applications Open
Aug 14th - Travel Applications Due
Sept 20th - Non-Travel Applications Due
Oct 25th-27th - Main Event
Are you doing research in mathematics or computer science?

Sigma Xi, The Scientific Research Honor Society invites undergraduate and graduate students to apply for research funding through the Grants in Aid of Research (GIAR) program.

The deadline to submit applications is October 1, 2019 at 11:59 pm Pacific Time. The grants are made possible by designated funds from the National Academy of Sciences and from donations. Students may apply for funding from the program twice each year.

Proposals are evaluated based on scientific merit and how well they align with the funding criteria, including description of the hypothesis, methodologies, budget, and significance of the proposed investigation. Guidelines and a list of fundable expenses can be found here.

Interested applicants are invited to watch a recording of Sigma Xi’s Google Hangout, "How to Submit Your Best Grant Application," to learn about the Grants in Aid of Research application review process.

Please forward to colleagues. If you have any questions, contact us by sending an email to giar@sigmaxi.org.

Sincerely,

Janelle G. Simmons, Ed.D.
Manager of Programs
Sigma Xi, The Scientific Research Honor Society
Cyber Florida: The Florida Center for Cybersecurity

Cyber Florida: The Florida Center for Cybersecurity is in need of volunteers for The Florida Cyber Conference on:

- 10/24 (10 Volunteers) from 7:30am – 5pm
- 10/25 (14 Volunteers) from 7:30am – 5pm,

in the roles of registration, wayfinding, and possibly microphone running for the keynote Q&A.

In return, these volunteers would be given complimentary admission to the conference to view any of the tracks when they are in their downtime. As some of the roles require technical skill and dealing with high-level clientele we are in need of extremely professional, well-spoken individuals who can handle themselves in a fast paced environment.
Volunteers needed for study participation

The Neuro-Machine Interaction lab at the University of South Florida is conducting the research study Immersive Versus Non-Immersive Comparative Study for Learning Spanish (IRB #00039661), where participants can learn new words in spanish using Virtual Reality. We are looking for volunteers to participate in this study, to be eligible you must be a USF student and at least 18 years old. You will be asked to come to the Neuro-Machine Interaction lab, located in ENB room #222; your visit will last approximately one hour. During the study you will have your EEG (brainwaves) recorded while learning objects in a virtual space.

Participation is completely voluntary and you can opt-out of the experiment at any time. If you are interested in participating or if you have any questions, please do not hesitate to contact the principal investigator Sarah Garcia at sarahgarcia@mail.usf.edu.

NEURO-MACHINE INTERACTION LAB
E-mail: neuro.machineinteraction@gmail.com
Web: www.neurosymbiosis.com
Instagram: neuro.machineinteraction