Dear CSE Students:

Welcome to the third newsletter of the Summer 2018 semester.

**Message from the UG Advisor:** The fall semester begins on August 20th. Don’t forget about the Mandatory First Day Attendance policy. You can view availability for advising in eScheduler. Our walk-in advising schedules are on the CSE website. Be aware that new student orientations continue throughout summer which may impact our walk-in availability. Some updates that doesn’t necessarily impact continuing departmental students but of which you may still wish to be aware are the changes to the prerequisite GPAs needed for Department admission. Starting with fall 2018, a 3.1 GPA in the prerequisites will be required for Computer Science and Computer Engineering. The prerequisite GPA for Information Technology and Cybersecurity will move to 3.00. You can now find short descriptions for some of the CSE electives under “Selected Electives” on the CSE website (undergraduate section).

**IMPORTANT:** The CSE office will be closed on Friday, August 17th.

**Message from the Grad Program Assistant:** The Department of Computer Science and Engineering would like to welcome all our new graduate students! Please do not forget to register for classes by August 17 to avoid a late registration fee. If you have any questions regarding classes, you can see me in ENB 342D and I will be happy to assist. If you are graduating this summer, congratulations! Make sure that you have completed your graduation checklist, applied for graduation via OASIS, and that you have signed up for the commencement ceremony.

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

- CSE Hiring Federal Work Study Front Desk Student Assistant
- Career Services to CSE Students: Resumes, Interviews, and ePortfolios
- USF Department of Computer Science and Engineering afterCollege Network
- CARRT Research Assistant Position Open
- CBM 2019 6th International Conference on Computational Biomedicine
- Plasma-Therm Full-time positions
- National Student Directory with Pathways to Science
- Summer Intern Opportunity College of Marine Science – USF St. Petersburg Campus
- College of Marine Science USF St. Pete Campus Summer Internship Opportunity
- Business Today’s 44th International Conference Expenses Paid For: Apply by June 30th
- Custom Manufacturing & Engineering IT Intern (Part-time, flexible, 10-20 hrs/week)
- Jabil IT Auditor Full-time Position
- Tech USA Software Engineer in Support Full-time Position

Regards,

Ken Christensen
Professor and Associate Chair of UG Affairs
NOW HIRING!
FWS STUDENT ASSISTANT

The Department of Computer Science and Engineering is looking to hire a front desk assistant.

Apply Today!

- 10-20 hours a week
- flexible hours
- open to all majors

Questions?

Email Mayra at mayra1@usf.edu or call at 813-974-2274.
Career Services to CSE Students: Resumes, Interviews, and ePortfolios

As part of the continuing effort to provide quality career-related software to students at the University of South Florida, Career Services is moving away from the OptimalResume system in favor of other tools and services that are more easily accessible, provide better feedback to our students, and allow for continued access after graduation.

Access to OptimalResume will end on July 24, 2018. Students should take this opportunity to remove any documents that may be stored on OptimalResume’s website. We will be reaching out to all students by email to let them know about this deadline to remove documents. OptimalResume provided several different services for students such as resume creation and storage, and interview preparation. We have seen the number of new student accounts and existing account logins decrease dramatically over the years leading us to the decision to discontinue paying for this service.

Below, we’ve created a list of tools that are free for students.

RESUME
We recommend that students use resources available on our website to help them create their resumes from scratch, and then use the Handshake system to store their resumes. Handshake is the online career management tool and preferred job and internship platform at the University of South Florida. Students can upload their resume to their profile, use it to build their profile information, and make it visible to recruiting employers. All students have a Handshake account already created for them, which they can access through the MyUSF system. Students log on to MyUSF, hover over the My Resources tab, and click the “Find A Job (Handshake)” link. If they have any issues accessing their account, they can contact our office for assistance.

INTERVIEW
We recommend using Big Interview, a tool that helps students refine their interviewing skills with an interactive tool that dives into general, behavioral, and technical questions from over 140 industries. Students can record, play back, and re-record their responses to questions to see how they improve with time and they get access to an expert who can coach them through their responses.

ePORTFOLIO
There are a variety of ePortfolio tools that are available at no cost to students. If you are considering the use of an ePortfolio, please contact our office for assistance in selecting the best tool for your learning objectives.

We hope that you can make use of some of the tools that we have mentioned above for your students, and we welcome any feedback that you might have. If you have any questions, comments, or suggestions, please contact Jean Keelan, Director of Career Planning.

Career Services
University of South Florida
(813) 974-2171
CareerServices@usf.edu
Undergraduate

College of Engineering > Computer Science and Engineering > Undergraduate > Other Information

Other Information

AfterCollege Career Network - a service that provides job listings customized for USF Computer Science and Engineering students. The service is free for USF CSE students. The Department does not endorse any of the job opportunities or programs.
Research Assistant Position Open

CARRT is looking for a senior undergraduate or a graduate student who can work on the Virtual Reality for Vocational Rehabilitation (VR4VR) project. The student will be working on the development and programming of virtual reality modules for the project, and will be recruiting and testing subjects with cognitive disabilities (Autism, TBI, etc.) on the modules that are already developed. The student will need to commit to work on this project a minimum of 20 hours a week for one year. A generous stipend will be provided based on the applicant’s credentials. Tuition waiver will be provided if the applicant is a graduate student. The qualifications needed for this position are as follows:

**Technical Qualifications:**
- Experienced with Unity game engine and C#
- Experienced with virtual reality applications and development
- Experienced with mobile application development (Android and iOS)
- Strong 3D math skills (linear algebra, vector math)
- Knowledge of database tools such as mySQL
- Familiarity with Maya, 3D Max and likewise modeling and animation tools

**Personal Characteristics:**
- Good analytical and problem solving skills
- Quick learning
- Ability to adapt to changing processes
- Well organized
- Friendly and patient character to work with persons with cognitive disabilities
- Can work with and collaborate with others
- Can pay attention to details

If you feel that you are qualified for the position, please email your resume to:
Dr. Redwan Alqasemi: alqasemi@usf.edu
CBM 2019
6th International Conference On Computational Biomedicine
February 7th and 8th
8:00 AM - 4:30 PM
J. Wayne Reitz Union

Organizers:
Dr. Panos M. Pardalos
Dr. George Michailidis

http://caopt.com/CBM2019/
Informatics Institute
University of Florida
The 6th International Conference on Computational Biomedicine

A primary goal of the CBM 2019 is to bring together scientists, engineers, mathematicians and patricians from a variety of related disciplines, to exchange ideas and present original research results in the theory and applications of computational biomedicine. It is hoped that most countries will have a delegation to participate this event. The conference will be composed of featured symposia, plenary lectures, invited sessions, and contributed sessions.

For more information, please visit http://caopt.com/CBM2019/.

February 7th and 8th
8:00 AM – 4:30 PM
J. Wayne Reitz Union
University of Florida, Gainesville, Florida

We hope to see you there!
At Plasma-Therm, we take pride in our Employees! Encouraged by an energetic environment, our team shares a common commitment to innovation and creativity. With 50% growth over the past few years, we are looking to enhance our group with talented, driven individuals who look beyond yesterday’s routine to enhance tomorrow’s solutions. To learn more about Plasma-Therm and our opportunities, go to our job openings at: http://www.plasmatherm.com/careers/find-jobs.html. Below is a brief summary of our current openings.

**CONTROLS SPECIALIST I, II or III:** Provides both hardware and software support utilizing an in-depth understanding of mechanical, electromechanical, and software engineering. Coordinates activities involved in the system integration process to realize system development.

**ELECTRICAL ENGINEER I & II:** Researches, plans, and designs electrical and electromechanical products and systems, and coordinates activities involved in the documentation, drafting and design process of electrical or electromechanical products and systems.

**FIELD SERVICE TECHNICAL WRITER/TRAINER:** Documents and edits material procedures, updates equipment manuals, develops installation manuals. Plans, creates, coordinates and delivers technical training and documentation to the internal Technical team. May on occasion be required to perform various product line training with Customers.

**INSIDE SALES MANAGER:** Supports the outside sales organization by gathering, compiling and transmitting information and documentation to the field as required from inquiry through PO package generation including system configuration confirmation (CCD). Responsible for defined territory revenue and contributed margin through the sale of new and refurbished systems as well as retrofits and upgrades.

**MECHANICAL ENGINEER II or III:** Researches, plans, and designs mechanical and electromechanical products and systems, and coordinates activities involved in the drafting and design process of mechanical or electromechanical products and systems.

**PROCESS ENGINEER II & III or IV** Responsible for process development of plasma based etch and deposition processes for a variety of materials and applications. Ability to independently design, develop and test processes based on requirements set forth by Plasma-Therm or Plasma-Therm’s customers is important. Projects will be both individual and as part of a project team. Effective communication, internally within Plasma-Therm and externally with customers is required.

**PRODUCT MANAGER:** Manages product planning and marketing for capital equipment products throughout the product lifecycle.

**PROJECT MANAGER:** Plans, tracks and coordinates the execution of projects arising out of Plasma-Therm’s customer partnerships and customer support activities. Acts as the primary liaison between Plasma-Therm team and its customers for assigned projects. Coordinates customer communication as required in support of customer support activities. Acts as the liaison between Plasma-Therm and its customer partners for all project activities. Organizes team leaders and engineers to define project goals, schedule and budget. Manages problem resolution through appropriate means and escalates when appropriate. Communicates status to internal account executives.

**SOFTWARE/CONTROLS ENGINEER II:** Researches, designs, and develops computer software systems, focusing on programmable logic controller, working in conjunction with hardware product development.
National Student Directory with Pathways to Science

Students can sign up online to be added to the directory and notified of programs and funding opportunities (NSF, NASA, etc.) relevant to their disciplinary interests and level of study. Directory members receive 4-6 emails per year notifying them of relevant opportunities.

We encourage STEM students to join and many summer research programs find it valuable to forward our sign-up form to their students.

http://www.pathwaystoscience.org/form.aspx
Summer Intern Opportunity
College of Marine Science – USF
St. Petersburg Campus

The Ocean Circulation Group under the Direction of Robert Weisberg, Distinguished University Professor, Physical Oceanography is seeking an intern with experience in web design, implementation. We display various observations and model derived products that could be presented in more useful ways.

Salary and hours are negotiable.

Contacts:
Robert Weisberg (weisberg@usf.edu)
Jeff Donovan (jdonovan@usf.edu)
Yonggang Liu (yliu@mail.usf.edu)
Hello! My name is Ilene E and I am a student at Princeton University and am the Director of Design and Marketing for Business Today’s 44th International Conference. Business Today is a 501(c)3 nonprofit organization founded by Steve Forbes in 1968. For the past 50 years, our goal has been to bridge the gap between influential business leaders, from all industries, and top undergraduate students from across the world. BT creates a dynamic forum in which students from all backgrounds can be educated and inspired. This year’s International Conference, Business Today’s flagship event, will take place on November 18-20th, 2018, at the Grand Hyatt in New York. The event is a three-day business conference with 150 undergraduate students interacting with over 70 executives from Fortune 500 companies.

This year, we are piloting a writing competition, in which students simply submit an editorial in lieu of GPA, resume, multiple essays, and etc. Multiple entries are also allowed; the top winner will win a spot at the IC while the top three essays will be published in our flagship magazine. We also offer the Impact Challenge, in which teams can apply with their social entrepreneurship startup. The top five finalists will attend the conference; the winner receives $15k seed funding.

As you are an influential member of your community, we hope you will share this opportunity (email copy below) with your community and encourage them to apply.

Students will not be penalized for whichever method (general application, writing competition, impact challenge) they choose, but we recommend the writing competition for those who do not wish to submit their GPA or a resume. Nonetheless, we still require applicants to 1) be undergraduates in fall 2018 and 2) able to attend all three days of the conference.

The second round deadline is June 30th, 11:59 PM EST. Students can apply here. Please feel free to reach out to me with any questions, or visit our website for more details. Thank you so much for your time!

Hello,

Business Today is a 501(c)3 nonprofit organization founded by Steve Forbes in 1968. For the past 50 years, our goal has been to bridge the gap between influential business leaders from all industries and top undergraduate students from across the world. BT creates a dynamic forum in which students from all backgrounds can be educated and inspired.

Business Today’s flagship event, the 44th International Conference, will take place Nov 18 - 20th, 2018 at the Grand Hyatt in New York. As an all-expenses paid, 3-day business conference, it includes:
• 150 undergraduate students, 75 executives
• Past keynotes:
  o Gerald Ford (38th President of the United States)
  o Jeff Immelt (CEO of GE)
  o Wendy Kopp (Founder of Teach for America)
  o Muhtar Kent (CEO of Coca-Cola)
• Executive seminars (on-site and off-site)
• Visits to company headquarters in NYC
• Recruiting Reception
• Dinner at Bryant Park Grill
• Impact Challenge (top five finalists attend the conference to pitch their social entrepreneurship startup; winning team receives seed funding of $15k)

Apply now through our general application, Writing Competition (no resume or GPA required, multiple entries allowed), or Impact Challenge. The second round deadline is June 30th, 11:59 PM EST.
Information Technology (IT) Intern – Summer

JOB DESCRIPTION
Job ID#: 2017-002
Title: Information Technology (IT) Intern - Summer 2017
Company: Custom Manufacturing & Engineering, Inc. (CME)
Location: Pinellas Park, FL 33781
Regular/Temp: Temporary Employee
Full-Time/Part-Time: Part Time Internship
Submit Reply and Resume to: CMEHR@custom-mfg-eng.com

Job Summary: We have an exciting opportunity for a student to perform as an Information Technology (IT) Intern reporting to the Director of IT/Facilities. An award winning Tampa Bay small business for two decades, CME delivers engineering, manufacturing, test, and calibration/repair services to Government and Industry. Join us at CME, where “We Love to Design & Build!” CME’s culture is embodied by Core Values that are focused on: Serving the customer while protecting CME, delivering quality products and services as required, solving problems, working with energy and passion, and encouraging and developing employees that challenge themselves. Also a strong supporter of Science, Technology, Engineering and Math (STEM) and other select charitable initiatives, CME promotes and encourages employee community support to nonprofit organizations or educational institutions, especially for mentoring and school/student support. Most of CME’s products and services are focused on the development and manufacturing of energy efficient and sustainable products such as more efficient power supplies, intelligent power distribution units, energy saving solar panels, and other electronic systems, end products, or components. (www.custom-mfg-eng.com).

Under direct supervision, successfully chosen candidate will assist in many aspects of our Information Technology (IT) operations and support to the business and will provide IT department technical assistance for the support of PC users, hardware and software installation, and IT related projects and tasks (e.g., install and setup hardware including computers and printers; conduct hardware and software asset inventory; assist with implementation and integration of new technologies), and perform other related duties as may be assigned.

DUTIES AND RESPONSIBILITIES

• Under limited supervision, work on non-routine projects with general instruction and advanced projects with detailed instructions
• Assist in the completion of non-routine and advanced tasks. Participate in the day to day activities of assigned functional area assisting in the completion of non-routine and advanced tasks
• Assist in applying knowledge to analyze, investigate and resolve non-routine problems
• Install and configure desktop computer hardware and software
• Troubleshoot computer hardware, software, and printing issues and install and perform updates/minor repairs to hardware, software, or peripheral equipment, following design or installation specifications
• Assist in the implementation, inventory, and management of IT assets
• Assist in various IT related projects for team and maintain records of daily data communication transactions, problems and remedial actions taken, or installation activities
• Assist in developing electronic and hard copy reports, records, diagrams and charts, when necessary
• Responsible for observing all laws, regulations and other applicable obligations wherever and whenever business is conducted on behalf of the Company. Expected to work in a safe manner in accordance with established operating procedures and practices

• Other duties as assigned or required.

Job Qualifications:

• Typically requires enrollment as an undergraduate or graduate student at a recognized college or university.

• Basic understanding of Information Technology (e.g., computer networking, Windows OS, and Microsoft Office, MacOS, etc.).

• Ability to configure and troubleshoot computer hardware, software, and printers.

• Ability to learn new applications and technologies.

• Ability to lift and move equipment weighing up to 40lbs for short distances.

• Must possess:
  ▪ The ability to understand new concepts and apply them accurately
  ▪ The ability to follow general and detailed instructions as well as organizational policies and procedures
  ▪ Good communication and interpersonal skills to enable effective interface with internal professionals
  ▪ The ability to work independently or in a team environment
  ▪ Basic computer skills.

MINIMUM REQUIREMENTS NEEDED:

• 0-2 years of experience

• Work schedule projected to be 10 to 20 hours per week and flexible to class scheduling

• Positions with CME require access to controlled goods and technologies subject to the International Traffic in Arms Regulations or the Export Administration Regulations. Applicants for these positions need to be "U.S. Persons," as defined in these regulations. Generally, a "U.S. Person" is a U.S. citizen, lawful permanent resident, or an individual who has been admitted as a refugee or granted asylum.

Travel Percentage Required: None expected. 0% - 5%

CME develops, prototypes, and manufactures custom-engineered and build-to-print products, assemblies, and subassemblies for industry and government customers. As a growing Tampa Bay engineering and manufacturing small business, our team works with aerospace and defense organizations and other industries all over to develop and produce quality products to meet our customers’ unique requirements. CME’s products are used by the US military and industry around the world.

CME 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.

Removal Date: 08-Jul-2017
IT Auditor

Job Summary
The IT Auditor I will coordinate, budget, and execute audit plans designed to identify risk, to mitigate loss, and to protect the people, assets, and cash flow of the company.

Essential Duties & Responsibilities
• Assists in planning and conducting complex IT audit projects, including the preparation of an objective risk-based assessment and an effective audit approach.
• Serve as a technical advisor to financial/operational auditors on IT aspects of functions and activities reviewed.
• Evaluate the adequacy of internal control and develop creative and realistic recommendations that add value to the organization.
• Audits the activities of various IT departments for compliance with plans, policies, and procedures prescribed by management.
• Audits the IT operations of various departments, divisions, and locations of the organization in order to verify general computing controls are designed and operating effectively.
• Determines proper technical and security configuration of technical systems and operations in infrastructure and IT.
• Prepare and submit reports on the results of audits. These reports should be clear, concise and insightful to provide IT and the business practical solutions.
• Develop and maintain an appropriate level of understanding of current technologies and IT best practices to help in the completion of assignments.
• Assignments are broad in nature and usually require originality and ingenuity.
• Thorough understanding of general business and IT operations and processes.

Education & Experience Requirements
• Bachelor's Degree required preferably in Information Technology, Accounting, Finance, Business Administration, or related field.
• 0-2 years of related work experience related to audit, accounting, finance and operations.
• CISA, CPA, CIA, CISSP preferred.
• Knowledge and experience in Information Technology, particularly distributed computing technologies, IT security, system development, computer operations, business continuity management, application software, telecommunications, disaster recovery and risk assessment.
• SOX Internal Control testing and general IT General control knowledge

Jabil is an equal opportunity employer and considers qualified applicants for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, gender identity, age, disability, veteran status, or any other status protected by law.


Job Req Id: 213234
Attention Computer Science Graduates:

Still looking for a permanent career with tons of growth in Tampa? Our Software Engineer in Support role is recreating the environment that software exists in and test why it doesn’t work. The individuals in this role will have their skills refined and tested on a daily basis to become master software engineers that will develop into tomorrow’s leading software engineers.

Required Technical Skill:

- Proven skill in .NET and Javascript
- Knowledge and continued learning of C++ and JAVA
- Experience using the Visual Studio Environment
- Knowledge of ASP.NET and related technologies
- Demonstrated detailed problem solving ability
- Knowledge of the Unix OS
- Proven ability to work closely with others in a team

For more detailed information or to schedule an interview, please send your resume to Andrew Mastrone at amastrone@techusa.net with the subject “SEiS”. 