Dear CSE Students:

Welcome to the first newsletter of the Summer 2018 semester.

Message from the UG Advisor: The CSE Department is happy to announce that Marjorie Fontalvo recently joined the Department as part of the undergraduate advising team. You can contact Marjorie or myself if you have advising concerns. Now that the summer term is under way, please stay focused. Remember that the summer term can proceed at a quicker pace. Your fall registration should be set. Don't wait on summer grades to register for fall courses. In most cases, if you are enrolled in the prerequisite for summer, the registration system will allow you to register for subsequent courses in fall. Your registration can always be updated once your summer grades are known. Contact Marjorie or myself if you have questions.

Message from the Grad Program Assistant: Please submit your Graduation Checklists and Plan of Work if you will be graduating this Summer. If you need assistance, see me in ENB342D and I will be happy to help with the process. *Don't forget to apply for graduation via OASIS* If you have not registered for Fall 2018, register before August 17 to avoid a $100 late registration fee.

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

- CARRT Research Assistant Position Open
- USF Department of Computer Science and Engineering afterCollege Network
- cCouncil 2018-2019 Open Positions
- Bic Graphic IT Internship – Java Developer (Full-time, 40 hrs/week)
- Custom Manufacturing & Engineering IT Intern (Part-time, flexible, 10-20 hrs/week)

Regards,

Ken Christensen
Professor and Associate Chair of UG Affairs
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
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.
cCouncil 2018-2019
Open Positions:
Vice President
Marketing Chair
Apply & join our team!

SEND QUESTIONS OR RESUME TO
MYNGUYEN@MAIL.USF.EDU
BY JUNE 14, 2018
IT Internship – Java Developer
Integrations and Web Applications Team

About the Team
The Integrations and Web Applications team is responsible for several websites and applications, as well as a growing number of web services. These are all built on platforms from Oracle, including WebCenter Sites, SOA Suite, and WebLogic. The team is staffed with experienced professionals who share in the beliefs in personal responsibility and teamwork. It is small enough that each member’s contributions matter but big enough that we are able to support each other.

Overview of Internship
An Intern on this team should expect tasks that help projects go more smoothly and project work achieve higher quality. The intern should be prepared to come to work each day ready to use basic professional skills in the course of technical work. For example, being on time and prepared, taking notes for oneself during formal or informal discussions, putting in a solid effort to try to do something before asking for help (but asking for help if needed!), following through on assignments, following up on requests, and keeping a positive mindset even when the work is challenging.

The daily work for an intern will require learning some aspects of our technology environment. The specific tasks assigned will be commensurate with ability level of the intern, and should be challenging.

Responsibilities:
Tasks may include:
• Writing code for repeatable tests of RESTful and SOAP web services
• Executing tests, using tools like SOAPUI
• Researching and analyzing information for troubleshooting or project decisions
• Writing components of software used in solutions in BIC Graphic
• Utilizing MS Office products for communications

Requirements:
• Pursuing a Computer Science degree
• Some classwork in Java Programming
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