Dear CSE Students:

Welcome to the first newsletter of the fall 2014 semester. Welcome to all new students and welcome back to returning students.

**Undergraduate Program (CS and CpE):** Welcome Back. I hope that you had a nice summer and are ready for a great fall semester.

**Undergraduate Program (IT):** Welcome to the new and transfer students! Welcome back to the returning students! In the words of Mike Wazowski from Monster’s University, “Here’s to the best school year ever.”

**Graduate Program:** Welcome back to all new and returning graduate students! As a reminder for Ph.D. students, if you are taking the Fall Qualifiers, the deadline to submit your sign-up sheet is Friday, August 29. For those of you planning to defend this semester, please remember that I need the defense announcement sent to me by email two weeks prior to the defense. You may contact the front desk to reserve a room, laptop and a projector. Please also pay attention the various deadlines for thesis/dissertation submission required by the College.

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

- NSA SNIP program
- USF Student Innovation Incubator
- United States Airforce Officer Engineering and STEM Careers
- Facilities Technical Assistant (on campus job)
- Intezyne Is Seeking Part Time IT Assistant
- Quality Assurance Engineer for Serve Enterprises
- Software Engineer Positions at Optym

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
ABOUT THE PROGRAM
The System and Network Interdisciplinary Program (SNIP) is a three year program part of the Computer Network Operations Development Program (CNODP) where interns are trained in the technical areas of Computer Network Operations (CNO). Graduates of the program become invaluable to NSA/CSS as the solution to universal CNO problems and specialists in one of the core disciplines of network, hardware and software protection and exploitation.

QUALIFICATIONS
- Bachelors Degree in Computer Science, Information Assurance, Computer Engineering, Electrical Engineering, or Mathematics
- Exceptional Academic Performance
- Strong Oral and Written Communication skills
- Knowledge in at least one of the following disciplines: computer hardware, software, or networks
- Demonstrated interest and ability to perform technical hands-on work
- Strong programming skills in one or more of the following languages: C/C++, Java, Python

CLASS PROJECT
The Class project is a three-month project completed during the final three months of the intern program. The project is expected to exercise and demonstrate the teamwork, adaptability, flexibility, and drive that are expected of a program graduate.

COMMITMENT
Upon graduation of the program, interns are required to get their final job placement in an organization who has a CNO-related mission.

CORE TRAINING
Core training is mandatory for all interns and consists of 12 weeks of full-time training in some of the below technical areas:
- Assembly Programming
- C/C++ Programming
- Information Assurance Fundamentals
- Linux Refresher
- Network Programming
- RedHat Linux Internals
- Software Analysis Lab
- UNIX Advanced Software Analysis

GRADUATION REQUIREMENTS
- Complete three to five tours, six to ten months in length.
  - One tour of six or more months must be completed in the Information Assurance Directorate (IAD)
  - One tour of six or more months must be completed in the Signals Analysis Directorate (SID)
- Participate in the ‘core’ training during the program
- Participate in and contribute to the class project at the end of the program

For additional information, please send an email to CNODP_ALL@nsa.gov or call (301) 688-3126
APPLICATIONS ARE NOW BEING ACCEPTED

WHAT:
The Student Innovation Incubator (SII) is a new business incubator created to help USF Student Entrepreneurs prototype and commercialize innovative, scalable ventures.

APPLY NOW
TINYurl.com/USFSII

Applications due by SEPTEMBER 14TH 2014

CONTACT
Keosha.Poole@usf.edu for more information

WHY APPLY?

• Receive support and increase the success rate of your USF student venture

• Gain access to Faculty, Staff, Alumni Networks, Local Business Leaders, Community Entrepreneurs

• SII Companies are granted access to subject matter experts from numerous disciplines, start-up fundraising mentoring, and secured, collaborative office space

• Enjoy high visibility from media coverage

WHO CAN APPLY?

Graduate and Undergraduate Students from all disciplines
UNITED STATES AIRFORCE OFFICER ENGINEERING and STEM CAREERS

The US Air Force is looking to fill vacancies in the following careers starting in December 2014. Must have completed or be within 12 months of completion of BS in majors below by Sep 2015.

Developmental Electrical Engineer (R&D)
Electronic Engineering
General Electrical Engineer
Space Launch Operations
Missiles Launch Operations
Meteorology
Atmospheric Science
Environmental Engineering
Aeronautical Engineering
Computer Engineering
Physics
Nuclear Science

When selected you will eligible for the following benefits and more.
UNITED STATES AIRFORCE OFFICER CAREERS
- Earn competitive pay and unmatched benefits
- Tax free housing and food allowances
- Comprehensive medical and dental care
- Endless opportunities for advancement and personal growth
- Career with exciting and rewarding challenges
- Advanced education assistance – up to 100% of tuition assistance
- Paid travel and relocation
- Generous non-contributory pension plan and thrift savings plan (similar to 401k)
- 30 day vacation with pay every year
- Tax free Shopping on base

Application requirements:
- Must be at least 18yrs old and under age 34
- Must be a US Citizen (born or naturalized)
- Be in good health and meet certain physical requirements

- Pass the Air Force Officer Qualifying test (AFOQT)

The Air force believes that nothing of lasting value can be achieved without courage, good judgment and integrity. This is why we are seeking young women and men who share these qualities to be a part of our team, in a management leadership and or supervisor position.

Deadline to Apply is 01 Sep 2014
Please email resumes directly to-
SSgt Robert Tyler IV at robert.tyler.5@us.af.mil or call/text 813-376-3378
Facilities Technical Assistant (on campus job)

This position will assist the Physical Plant with technical support for various facilities control systems. Seeking a detail-oriented, self-motivated student that will be available for a year or more. The ability to solve common problems with minimal training and supervision is necessary. This position will interact with customers and other employees on a daily basis and must be able to communicate and listen effectively in order to diagnose issues, assist customers, and work in a team environment. Hours are flexible, but an average of 20 hours per week is required.

Prefer a general computer background with potential to learn specific systems. Ability to troubleshoot and fix technical issues. Experience with Microsoft Windows, Microsoft Office, and common productivity software. Experience with AutoCAD drawing software.

$10.50/hour, 20 hours/week, FTE 50%.

Position requires a Criminal History Background Check.

Interested applicants should email a resume to: rmeana@admin.usf.edu
Intezyne Is Seeking Part Time IT Assistant

Intezyne is a biotechnology dedicated to treating cancer better. We are hiring a part time employee to assist with basic computer/IT troubleshooting and repair.

**Job Responsibilities:**
- Assist scientists/administrative staff with a range of computer/software issues
- Perform hardware upgrades
- Install new computer systems
- Perform routine patches and software updates

**Qualifications:**
- Candidate must have extensive knowledge of Windows XP/7 and Mac OS X
- Experience with Mac OS X Server is desired
- Must have technical experience with hardware troubleshooting and repair
- Previous experience in a “help-desk” environment is highly desired

**Work Hours and Location:**
Ideal candidate will be available 1-3 hours each day, Monday through Friday sometime between 8am-6pm. Actual work hours are very flexible. Intezyne is located in the USF IDRB.

**Compensation:**
Intezyne is offering $12/hour for this assistant position.

**To Apply:**
Send resume to careers@intezyne.com
Quality Assurance Engineer – Job Description

Company
Serve Enterprises is a wholly-owned subsidiary of American Express. Serve Enterprise provides cutting-edge technological services in alternative payments in an innovative payment processing platform, payment card network, and new consumer payment solutions to the Enterprise Growth division of American Express. This position offers the unique opportunity to work for a start-up while leveraging the resources and foundation of a prestigious, globally recognized 160-year old brand.

Location:  St Petersburg, Florida

Job Responsibilities
- Responsible for the total quality of the scrum in Agile process
- Collaborates with the business and System Analysts during requirements development to ensure the needs are testable.
- Perform complex functional, application, regression and performance tests.
- Create Test strategies and plans.
- Write and modify; manual and automated test scripts.
- Map business and technical requirements into test suites, test cases and test scripts.
- Identify, document and assist in resolution of all defects related to test suite execution.
- Validate new software in the production environment.
- Support post-deployment efforts to align with “warrantee” period.
- Identify future product enhancement opportunities.
- Assist Quality Assurance Lead/Manager on the implementation of the new application changes.

Required skills and knowledge:
- Expertise in one of the object oriented programming languages is MUST
- Strong analytical and problem solving skills
- In-depth attention to detail
- Excellent written and verbal communications
- Knowledge of Automation tools
- Knowledge of Defect management tools
- Collaborative attitude with the ability to quickly adapt to changes
- Capacity to handle multiple tasks
- Ability to work independently and the knowledge as to when to seek guidance
- Ability to quickly learn new software, automation tools and technology
- Self-motivated
- Database knowledge
- Knowledge of writing sql queries

Education Requirement/Experience:
- Bachelor's degree with 5 years' testing experience or Bachelor's in Computer Science/Technical degree with 2 years’ software development or testing experience or Master degree in Computer Science.

Apply at: https://jobs.americanexpress.com
Software Engineer Positions at Optym

Company’s Description:

Optym, formerly known as Innovative Scheduling, is developing optimization, simulation, data analytics and business intelligence products for the transportation and logistics industry that will create efficiencies of their operations. With its headquarter located in Gainesville, FL and branches in four countries, Optym has over 120 highly quality professionals and is rapidly growing. The company is seeking bright, motivated and ambitious individuals which will help Optym become a leading software provider for airlines, railroads, trucking and mining companies. The company is fully employee-owned and offers competitive salaries and comprehensive benefits package including profit sharing and stock options. Compensation and perks offered are well above industry standards, and based on candidates’ capability and experience. Learn more about the company at: www.optym.com.

Job Description:

- Working with clients to identify business need and requirements
- Design software solutions to meet the business need
- Optimization and simulation algorithm design and implementation
- Data analysis and data preparation for models and algorithms
- Integration of algorithms within interactive decision support systems
- R&D of new upcoming techniques and technology to bring into the company

Qualifications:

- M.S. or Ph.D. degree in computer science, IT or a related field
- Strong understanding of key computer science concepts - algorithms and data structures
- Experience with object-oriented design and object-oriented programming
- Experience in database design and implementation
- Excellent problem-solving and analytical skills

Application Process:

Please email your resume for consideration to jobs.us@optym.com along with a cover letter explaining why you would be a great fit for the job and the company. Please include your GPA for your degree programs and full publication list in your resume as these are important criteria in our selection process. If you have questions or clarifications, please contact by email or by phone: (352) 334-7283, ext. 308.