Dear CSE Students:

Welcome to the sixth newsletter of the Fall 2015 semester.

**Message from the CS and CpE UG Advisor:** Registration is underway. You need to look on OASIS for classes that are being offered and if they are available. We are putting a waiting list on the courses that fill. If you are graduating in Spring or Summer, you should have seen Mr. Kellner for a permit for Ethics. Remember, you need a Graduation Checklist to get a permit. For students graduating in fall, an email will be posted if seats are available in Ethics (you MUST have Op Sys to get into the class). We had an error on OASIS with registration for CNT 4504 (Networks II). That error should be resolved.

**Message from the IT UG Advisor:** The course inventory for Spring 2016 is available. Seniors, please review the classes available and prepare your course schedule accordingly; send me your graduation check list as soon as possible. Course number changes: EEL 4782 (Networks) is now CNT 4104 and COP 2930 (Programming Concepts) is now COP 2512 (Programming Fundamentals).

**Message from the Grad Program Assistant:** No message for this issue.

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

- Getting Started with Linux (5pm-7pm, Thursday, November 12th, ENB 313)
- CSE Entry-Level Deskside Support Technician (on-campus job)
- Graduate Assistant Position in Department of English
- Math instructor position at Mathasium The Math Learning Center
- Web Developer with Photo Family Tree Maker
- ADL Delivery.Net Software Developer position
- Citi Junior Python Developer

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.usf.edu/engineering/cse/undergraduate/student-newsletter.aspx
Getting Started with Linux

5pm-7pm
Thursday
November 12th
ENB 313

5-6pm
Install Linux alongside Windows on your laptop. We’ll walk through dual booting and virtualization.

6-7pm
Work with the command line in groups of two to four. Bring a laptop with Mac, Windows or Linux, and get hands-on with exciting practice exercises.

Keep up-to-date with IEEE-CS events by joining us at https://orgsync.com/104509/chapter
CSE Entry-Level Deskside Support Technician  
(Part-time & Undergrad only)

**Posting Title:** CSE Entry-Level Deskside Support Technician - Part-Time  
**Department Name:** Computer Science  
**Salary Rate:** $12.00 per hour  
**FTE:** 0.50 (10 hours per week this semester with the potential for 20 hours per week next semester)  
**Supervisor:** Jose Ryan  
**Required Applicant Documents:** Your resume and three references.

**Position Summary:** CSE Entry-level Deskside Support Technician, part-time - This role brings you the opportunity to grow your technical skills in an active Unix/Windows environment and prepare you for any IT career path you may take in the future. You will be working with faculty, students, staff in department offices and labs. You will also get on-the-job training on different aspect within our support environment such as administration of servers, websites, data administration, data recovery, ticket management and more. If hired you will be scheduled for 20 hours and we will accommodate your school schedule

**Duties & Responsibilities:** Assist with level 1 and sometimes level 2 technical support requests, help maintain computer labs, perform computer upgrades, and basic documentation/clerical/organizational tasks inside of CSE Tech Support.

**Minimum Qualifications:** Some experience with computers, operating systems, and customer service. I will provide additional training on the job.

**Preferred Qualifications:**  
* Working knowledge of installation/troubleshooting of Operating Systems such as Windows (XP/Vista/7/8), UNIX/Linux, and Mac OSX  
* Working knowledge of installation/troubleshooting of applications such as MS Office  
* Working knowledge of installation/troubleshooting/repair of PC/MAC Hardware/software

**Special Skill/Licenses/Training/Certification:** It’s a plus but not required.

**Posting Deadline:** Until positions are filled.

**Additional Information for Applicants:** To inquire about the position contact Jose Ryan at 813-974-3307 or jryan7@cse.usf.edu
Graduate Assistant Position in Department of English

- Dept. Name: Department of English
- College/Division: USF College of Arts and Sciences
- Job Code/Title: ASP.NET Developer
- Hiring Salary: GA hourly Pay

Position Summary (Duties)

My Reviewers is an online, peer-review tool used by approximately 10,000 students and instructors at USF and several other universities.

As an application developer, you will be asked to work in a team to help analyze and develop software applications that meet My Reviewers needs. These applications either collect/display information or assist in transferring information between data systems. You will be responsible with formulating and implementing the best programming application and database design to accomplish the solution. In addition, you will be responsible with maintaining current applications and helping plan new application development.

Responsibilities

- Working with Project Managers to determine needs and applying / customizing existing technology to meet those needs
- Maintaining and supporting projects and deadlines
- Recording work progress on a weekly basis.
- Documentation and writing unit tests.

Position Qualifications (Education and Experience)

Required:

- ASP.NET Framework 2.0 and higher
- ASP.NET 2.0 WebForms
- ASP.NET MVC (preferably 4.0+)
- ASP.NET VB and C# (maintenance of legacy VB code, all new coding in C#)
- Advanced JavaScript skills (good understanding of objects, DOM manipulation, etc.)
- Experience with major client-side libraries and frameworks such as jQuery
- Understands cross-browser/platform compatibility issues
- Understands small-screen (tablet) and mobile platform compatibility issues
- Solid understanding of XHTML/HTML, CSS
- Solid understanding of HTML5/CSS3
- Microsoft Visual Studio 2010+
- Microsoft IIS
- Experience with source control/versioning systems like SVN or Git
- SQL Server programming

**Recruitment process:**
Candidates who are shortlisted will be interviewed in 2 rounds. First-round candidates will be asked to write some basic programs in either C# or Vb.net. The second round will be a personal interview; we might ask you to fix some bugs in our code as well as some technical questions.

**How to Apply:**
Applicants must submit a resume and cover letter along with the following information: [https://docs.google.com/spreadsheets/d/1vmjQAw8Aj_7JfapqpVeFkrlK12lcO-34Yu_hDmwIQ_l/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1vmjQAw8Aj_7JfapqpVeFkrlK12lcO-34Yu_hDmwIQ_l/edit?usp=sharing)
Math Instructors

A math-only learning center in the Lutz area has an opening for a math instructor to work with students in grades 2-12. Curriculum and materials are pre-determined for each student, and instructor will apply the teaching methods presented during training.

Required Qualifications:

- Exceptional math skills through Algebra I, and Geometry
- Excellent communication and multi-tasking skills
- Ability to professionally interact with students and parents
- Energetic and confident personality
- Education qualification: High School Junior or Higher

Preferred Qualifications:

- Ability to teach students in upper level high school math courses such as Algebra II and Pre-Calculus.
- Previous teaching experience or other experience working with students

Learning center environment is supportive and encouraging. Applicants should love teaching and be able to motivate students to success.

Hours may vary, but could include mid-afternoon through early evening hours, Monday – Thursday and Sunday afternoon, approximately 8-20 hours per week (flexible). Starting pay is $9/hr.

Reply with resume and cover letter to lutz@mathnasium.com or call 813-968-MATH.

Address of center: 1829 Collier Parkway, Lutz, FL, 33549

Hours of Operation: Mon thru Thu: 3pm-7.30pm, Sun: 2pm-6pm.

In your cover letter, include detail about your math competency, experience teaching or working with students, and availability.
Web Developer with Photo Family Tree Maker

Business address: 13610 Big Ben Drive, Suite 6166 (Post Office Box) Hudson, FL 34667

Submit applications to: freshstart7@yahoo.com

Company Website: Photofamilytree.com (It is not operational; I need help in placing into production).

Start Date for position: November 1, 2015

Position Type: Full-time, Part-time, Freelance, Contract or Internship (Choose Option). It can be hourly Part-time, Internship, but I prefer contract or task driven.

Compensation: Paid or Unpaid (Choose Option). Paid.

Experience Level: Entry: 0-2 years / Mid: 3-5 years / Senior: 5+ years (Choose Option) Senior

Bilingual: No or Yes – What Language? (Choose Option) Not important at this time.

Demo/Portfolio/Samples Required: No or Yes (Choose Option). Yes, I would like to see samples of work.

Location: Onsite or Remotely - Please include the City and State. (Choose Option) Remotely.

Relocation: (Choose Option). Local candidates and working remotely only.
Will accept non-locals and aid is provided by the employer
Will accept non-locals, but no support is supplied by the employer
No, local candidates only
No, working remotely

Skills and Software Knowledge: Software Programmer and Website Graphic Designer. If one person possesses all these skill sets, then, beautiful. Otherwise, I need two people: one knowledgeable of Programming languages HTML, CSS3 and JavaScript. The other person must be knowledgeable of components tieing all elements of the website together.

These individual must work as a team to produce a website that scream integrity, professionalism and buy from this company today.

Lastly, chosen individuals must sign a Non-Disclosure Agreement before detailed information about the project is released and a Statement of Work must also be signed.

Please specify if the candidate must have access to the software.
*Required: Just a text editor software.
*Pluses
Description: Please describe the position and provide any other information that may help us locate the correct candidates.

The software engineer (programmer) must be able to develop a browser based, photo editing, and photo management application; then, integrate and embed that software into the website for our customer exclusive use. The code could be a combination of Open Source Code and newly written code, but must be interactive.

The application, when finished, should be easy to use and operate flawless, similarly to Windows Gallery Live.

The Web Graphic Designer must know components that hold a website together: front end elements, navigation structure, page layout, Images, contents, graphic design and back end part.

Also, they must have knowledge of content management system, e-commerce, shopping cart, site search, image rotation, contact forms, referral forms, newsletter registration, online databases, password protection, downloadable files, and security.

Lastly, they must knowledgeable about other components, such as hosting, domain names and online promotions.
Job Description:

ADL Delivery is a Logistics Company serving the Southeastern U.S. Headquartered in Tampa, Florida, ADL is seeking an experienced, Microsoft .Net Software Developer to design, develop, test, and implement our dedicated in-house applications using the latest technologies. The .Net Software Developer will focus on providing custom business solutions in a dynamic environment.

Responsibilities:

- Participate in all technical aspects of the customized back-office including design, test, document and implement proprietary in-house software
- Implement coding standards of the development processes
- Participate in all phases of the software development life cycle in a team environment
- Support current business applications including the implementation of bug fixes as needed
- Ability to multi-task and adapt to shifting priorities, while meeting scheduled milestones of new development
- Troubleshoot and resolve escalated support requests related to the use of existing and future systems
- Provide ad-hoc reports in a timely fashion when requested

Requirements:

- Bachelor’s degree in Computer Science or related field is preferred.
- Focus on ASP.Net Web forms, ASP.Net MVC, WCF and T-SQL
- Experience with all aspects of the software development lifecycle
- Experience with relational database design, development and maintenance, specifically with MS SQL Server 2000 and higher
- Strong T-SQL ability with experience writing Ad-Hoc SQL queries
- Develop and maintain Stored Procedures, Triggers and Views
- Strong analytical skills required
- Interpret business needs and translate them into application and operational requirements
- Strong problem solving abilities
- Develop resolutions for mission-critical applications
- Ability to produce quality deliverables first time
• Good technical and application documentation skills
• Ability to multitask and meet business driven deadlines
• Excellent English verbal and written communication skills with attention to details

Desired Skillset:

• Beginner to intermediate knowledge in WCF, WebAPI, OData and / or OAuth
• Beginner to intermediate experience in Linq, Task Parallel Library and Async programming
• Beginner to intermediate knowledge of Java and / or JavaScript
• Experience in Entity Framework
• Experience in MS Project
• Experience in MS Team Foundation Server
• Experience with third-party development components such as DevExpress / Telerik
• Ability to prepare and lead technical presentations and demonstrations
• Experience in reporting suites such as DevExpress Reporting, Crystal Reporting etc.

Employee Benefits:

• Paid Vacations
• Paid Holidays
• Health Insurance
• Dental Insurance
• 401K
Job Description

OSINT Analyst: Jr. Python Developer-15095783

Description

Citi Security and Investigative Services (CSIS) is a full-service security and investigative team that protects the assets, integrity, and reputation of Citi and its clients by providing best-in-class investigative products and services to clients across the company. We accomplish this by offering in-house professional security services and independent investigations to clients across all of Citi’s businesses and regions, partnering with other Citi business groups, law enforcement agencies, governments and others to protect our employees, businesses, clients and information.

- Apply research techniques to collect, organize, synthesize, and summarize open source intelligence data from multiple sources in order to provide actionable information to decision makers
- Produces analytical products and briefings/presentations for senior leadership and operational personnel on a variety of derived threats and intelligence reporting
- Liaison with a broad network of partners on methodologies and sources of information in order to develop best practices
- Innovate and generate new ideas, concepts, and models to improve methods of obtaining and evaluating open source intelligence data through qualitative and quantitative means
- Perform analysis on disparate external data and evaluate multiple internal sources of information in order to determine any useful correlations. Drive Quality, Reliability, and Usability of all work products
- Demonstrate ability to identify and anticipate the problems and product/solution needs of our clients
- Ability to work in a fast-paced dynamic environment

Qualifications

- Minimum Bachelor's degree
  - Degrees in computer science/information technology/statistics preferred
  - 3+ years’ experience in utilizing scripting languages (python preferred) to automate small tasks and solve problems
  - Previous experience with Application Programming Interfaces (APIs) preferred
  - Previous experience with the intelligence community or information technology community preferred
  - Experience with Linux preferred
  - Demonstrated ability to analyze, evaluate and interpret complex data with a strong understanding and application of analytical techniques
- Proven track record of information gathering, including strong use of commercial databases, internet, and non-digitized sources
- Demonstrated self-starter and resourceful individual, with experience of operating in fast-paced and dynamic operational settings
- Broad professional experience, including prior international work experience/travel or experience working as part of a globally dispersed team an advantage
- Demonstrate success in managing deliverables within aggressive timeframes; ability to cope under strict time restraints
- Excellent communication, negotiation and presentation skills. Ability to effectively communicate, both orally and in writing, through all levels of the organization
- Self-motivated with the ability and maturity to make decisions in the absence of detailed instructions
- Advanced expertise in Microsoft Office products - Word, Excel, Access, Outlook, PowerPoint, & SharePoint – demonstrated creativity in use of these products to solve analytical problems
- Established project management skills. Ability to coordinate several projects simultaneously and executes daily duties with minimal supervision

EEO Statement: Citi is an equal opportunity and affirmative action employer. Minority/Female/Disability/Veteran

Primary Location NAM-USA-FL-Tampa
Job Category Security
Schedule Full-time
Education Level Bachelor's Degree
Shift Day Job
Employee Status Regular
Travel Yes, 10% of the Time
Citi is an equal opportunity and affirmative action employer. Minority/Female/Disability/Veteran.

Citi and its subsidiaries ("Citi") invites all qualified interested applicants to apply for career opportunities.
If you are a person with a disability and need a reasonable accommodation to use our search tools and/or apply
for a career opportunity, please contact us.

To view the "EEO is the Law" poster, click here.