Dear CSE Students:

Welcome to the first newsletter of the Summer 2016 semester.

**Message from the CS and CpE UG Advisor:** As you get settled into the Summer semester, don’t forget to make sure that you are on track for Fall. If you do not have a full schedule for Fall yet, please see me. My Summer office hours are 11am-4pm on Mondays, Wednesdays, and Fridays, in ENB 345F.

**Message from the IT UG Advisor:** Hello IT students. Effective this summer, I will be the new IT advisor. You can contact me via e-mail (jpmorga2@usf.edu). For advising, please schedule an appointment via USF eScheduler. I have a demanding schedule and I may not be able to accommodate you for walk-in advising. For those of you enrolled in Summer courses, the last day to withdraw with a “W” for Summer A is June 11th, for Summer B it is July 2nd and for Summer C the date is July 2nd. Of course, you should speak with an advisor before withdrawing. Make sure you have registered for fall and finalized your schedule. Don’t wait for the first week of fall classes. John Morgan

**Message from the Grad Program Assistant:** If you have been appointed for a TA/RA position this summer and you are taking at least 6 credit hours, please do not forget to submit your Tuition Waiver Request form as soon as possible. Reminder: If you have applied for Summer 2016 graduation, do not forget to do so through Oasis as well. Graduate students that plan on graduating Fall 2016, Graduation forms are due Friday, July 29th.

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

- Graduate Assistant – Peer to Peer Training Initiatives and Programming
- Saint Jude Catholic Community Intern Web Designer
- Data Scientist/Algorithm Developer/Machine Learning Developer at Xcira
- DoD Opportunity for CS or CpE Student
- Jr Level .Net Developer (C#) job
- Statistical Programmer
- Python/Django 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
Graduate Assistant – Peer to Peer Training Initiatives and Programming

**Department Description:**

The USF Academic Success Center offers a wide range of opportunities designed to enhance the success of students at all levels, from first-year through graduate school. We recognize that each student is unique; therefore, we strive to connect students to the service that might best fit their needs, on site or online. In all areas our goal is to help students take charge of their success by guiding and facilitating the learning process. Our tutors are both undergraduate and graduate-level peer tutors who have received extensive and ongoing training and are well-prepared to support the learning process. Beyond tutoring, learning support is available through academic coaching, targeted workshops, and learning support courses.

The Academic Success Center is staffed by the Director, two Assistant Directors, three Academic Services Administrators, Graduate Assistants, Work-study student assistants (reception, clerical duties, and scheduling), and peer tutors (undergraduate and graduate).

**Graduate Assistant Job Summary:**

This position will assist in the training of undergraduate tutors to become peer academic coaches and will assist in various certification and application processes. This is an opportunity to develop training, programming, and administrative skills. The individual will work closely with the Academic Services Administrator to plan, develop, and facilitate numerous training opportunities including undergraduate tutor training. Depending on credentials and opportunity, this position may include some teaching opportunities.

This assistantship offers several unique aspects:

- Opportunity to engage and facilitate training and coordinate programming while learning how to advise and mentor students and support research.
- Opportunity to progressively develop skills by taking on additional responsibilities over the course of the appointment.
- Opportunity for the development of organizational, administrative, and leadership skills.

**Nature of Work:**

This 12-month, 20-hour per week graduate assistant position will report to the Academic Services Administrator in charge of training and programming support at the Academic Success Center. Due to the extended operating hours of the Academic Success Center, this position requires flexible hours involving some evening and weekend hours.

**Knowledge and abilities**

- Communicate effectively orally and in writing
- Establish cooperative working relationships with students and administrative staff.
- Have working knowledge of learning theory and student development

**Minimum Qualification Requirements:**

A currently enrolled Masters or Doctoral student, in good academic standing at USF, pursuing a degree in Adult, Career, Higher Education, College Student Affairs or a related degree.

**Preferred Qualifications:**

At least one year of training, teaching, and/or programming experience in a higher education setting. Student leadership experience in either a work or volunteer setting.
April 6, 2016

Mr. Ken Christensen  
Professor and Associate Chair  
Computer Science and Engineering  
University of South Florida

Dear Mr. Christensen:

My name is Rev. Barthelemy Garçon, S.M.M. Pastor of St. Jude Catholic Community in Ocala, Florida and the Executive Officer of the Kalabat Global Library (KGL) project. The KGL will offer free eBooks to everyone. The KGL will also supplement learning material, such as, required college and university materials for a fraction of what it would cost to acquire elsewhere.

Through the (KGL) I want to offer a free opportunity for the neediest to have an education. Haiti is the poorest country in the American Continent but Haitians need education more than bread. This is the reason I have dedicated the KGL to Haiti.

I am seeking an Intern web designer to carry on the challenging task of creating a global library website. KGL project is a team effort. We already have half a million eBooks available for the KGL. Our goal is one million eBooks from Pre K to Doctorate in whatever the subject by the end of 2016. The web designer will be responsible for designing the web site according to specifications and will also have a free hand to suggest what will work within the KGL.

Our team understands that every person is unique and has special skills and talents. Therefore, we invite that unique web designer to get real hands on work experience and to collaborate with our team in building the KGL website which will benefit kids, youth and adults in Haiti as well as whoever is in need of an education globally.

Interested potential Interns should submit via e-mail an interest to commit to this project to:  
Email:  office@judeparish.org  Attn: Lina Smart-Perez, Office Manager, listing any qualifications related to web design and their desire to contribute in this exclusive project that will help to improve people’s education and culture especially children. Selected Interns will follow up with a complete interview.

Yours in Christ,

Rev. Barthelemy Garçon, S.M.M.  
Pastor/Parochial Administrator
**Data Scientist/Algorithm Developer/Machine Learning Developer**

**Company Background**
Xcira is a recognized innovator and leading global technology-services company headquartered in Tampa, Florida. Our staff consists of experienced software engineers, systems architects, system administrators and software quality assurance analysts complemented by a strong account management organization. We employ an Agile/Scrum development framework in developing and maintaining our products. The technology stack embraced by Xcira includes a Linux foundation complemented by various open source elements and tools and proprietary software.

If you are interested in joining a growing 50-person company that stresses teamwork and the beliefs that the staff members constitute Xcira’s most important resources and make up the Xcira family, please read on.......

**The Position**
Xcira’s products are used by customers, in a SaaS business model, in more than 35,000 annual global auction events throughout many auction industries including; automotive, construction/heavy equipment, fine art, livestock, industrial and real estate. The information in each of the auction events is captured and will form the foundation of a data set that will be analyzed to present critical information to the auction companies, buyers and sellers.

Xcira is hiring a person to join the Xcira Next Generation Platform team to analyze and develop data from the auction events. It can be structured as a full-time permanent position; summer position; or part-time position and is available immediately. The summer and part-time positions can be also converted into a full-time permanent position should both parties feel it is a good fit.

A candidate should have some of the following abilities or related academic schooling with regards to:
- Modeling concepts and statistical simulation using those concepts
- Knowledge of common algorithms and how and when to apply them to obtain answers to specific questions
- Well learned and familiar with statistics and statistical analysis using advanced mathematical formulas
- Ability to identify meaningful statistical patterns and relationships in data using our online auction data repository
- Familiar with data mining techniques and ETL tools for data manipulation
- Skills to collect, process and extract value from very large and diverse data sets
- Imagination to understand, visualize and communicate their findings to non-data scientists
- Ability to think critically and reason effectively about the quality of data and data analysis procedures in the context of creating information to solve business problems
- Ability to create data-driven solutions that contributes to our customer’s ability to increase revenue (boost profits, reduce costs and even help save the world)
- A strong understanding of software, database/data warehouse and research tools

**Compensation**
- Full-time permanent position – an industry competitive salary and benefits are offered
- Summer and part-time positions – $25-35 per hour

**Contact:**
Send resume/cover letter to: hr-dept@xcira.com or jim@xcira.com
From: Byers, Cheryl  
Sent: Thursday, May 26, 2016 11:09 AM  
Subject: Opportunity for Computer Science/Engineering Student

A Department of Defense military organization at MacDill Air Force Base has a unique opportunity for a computer science/engineering student which involves developing a program to display their portfolios on a virtual tour screen (vertical 80" touch screen TV). The student will report to a USF graduate who leads this project. The student should be able to develop the system at both MacDill Air Force Base and also at an alternate off-base office near downtown Tampa. The position includes flexible hours and can be performed either on a part time basis to last all summer, or full time until completion of the project. While the work will be unpaid, the student will gain a tremendous amount of experience, networking, and exposure to the Department of Defense. Resumes of interested candidates should be forwarded to my assistant, Ivette Dixon, at idixon@usf.edu at their earliest convenience. Interviews and selections will occur over the next few weeks, so act fast and be sure to include your contact information on your resume.

Thanks,

Cheryl

Cheryl L. Byers, MHA, CIP, CHRC  
Assistant Vice President for Research Compliance  
Research Integrity Officer  
University of South Florida

3702 Spectrum Blvd., Suite 155  
Tampa, FL 33612  
Phone: 813-974-3234  
Fax: 813-974-7091  
Email: cbyers1@usf.edu
Jr Level .Net Developer (C#)

Job Responsibilities:
Qualified candidates will be invited to join a dynamic team structure and company culture that allows team members to grow and express creativity. He /She will get hands–on experience working on a cutting-edge web based application using .NET for server-side development and AngularJS for client-side development.

Candidates must be able to:
- Demonstrate the ability to work in a team environment.
- Create and modify code for bug fixes and implementation of new features.
- Expand the system data model to add new features while maintaining flexibility and performance.
- Troubleshoot technical problems and investigating production incidents.

Required Skills/Qualifications:
- Willingness and drive to learn new languages and technologies
- Strong Computer Science fundamentals – Data Structures, Algorithms
- Exceptionally strong programming skills in C#, Asp.Net, HTML, CSS, MS SQL Server
- Basic understanding of RDBMS and Data storage technologies.
- Version and Source Control concepts
- Must have excellent oral/written communication skills and interpersonal skills to support interaction with internal customers, team members.
- Creative thinking and solution driven candidate.
- 0-4 years of software development experience, ideally with:
  - 2 or more years of experience in the development, implementation, and maintenance of large-scale OLTP and DSS in a client-server environment using c#, .Net Technologies, understanding of full SDLC.
  - 2 or more years of experience in database design, development, and normalization using Microsoft SQL Server
- Strong understanding and proven object-oriented programming skills
- Excellent written and verbal communication skills
- Experience working as part of a project team to coordinate development and determine project scope and limitations
- Resourceful and innovative while diagnosing and resolving technical and/or business problems

Educational requirement:
- BS/MS in CS/Engineering preferred.
- Experience is noted as either work experience or class work experience. Classroom experience may require review of code that was written if available.

Lindsay Fallon Technical Recruiter
Source Select Group LLC  2907 Bay to Bay Blvd, Suite 203, Tampa, FL 33629
(O) 813.507.8191 ext 712
Statistical Programmer

We are a fast growing, energetic company looking for a team member to help us expand our growth. With a relaxed environment and a handpicked team of likeminded individuals focused on the company’s success, this position requires a motivated critical thinker that can not only meet, but exceed expectations and is looking to grow with the company.

Description: The primary goal of this position is to assist with development of our innovative statistical software. The position requires a self-starter with exceptional problem solving and troubleshooting capabilities.

Primary Job Responsibilities
- Writing and modifying R code
- Integrating R code into web environments
- Performance and Bug Testing
- Participating in code review

Minimum Requirements
- 1-2 years hands-on coding experience
- 1+ year experience using R
- At least a Bachelor’s degree in Computer Science, Statistics, or a related field

Preferred Skills
- Authorship or contribution to one or more R packages
- Solid Object-Oriented Programming design knowledge
- Experience with OOP languages (C++, C#, PHP, etc.)
- Experience with Git, Mercurial, or a similar version-control software
- Experience with Linux/Unix and a scripting language such as Python
- Web Development experience preferred (PHP/HTML/CSS/Javascript)

Benefits
- 90% Health and Dental Insurance
- IRA with 3% match
- 2 weeks and 2 days paid vacation
- Paid holidays
- Gym membership and Costco membership

Melissa Moran
President
Statistics Solutions
877-437-8622
Python/Django Developer

Job Summary
We are a nationwide company with a branch located in the Tampa Bay Florida area. We are currently seeking an experienced Python Developer. Successful candidates will possess the following experience:

- 2+ years’ experience in Python development
- 2+ years’ experience in Django
- 2+ years’ experience in SQL
- Familiarity with Celery tasks
- Experience with a cloud based hosting environment, such as Amazon

Day to day responsibilities may include but are not limited to:

Application Design
* Designs new systems, modules and functions to legacy database program
* Translates functional requirements into technical requirements and design
* Researches and evaluates alternative solutions and recommends the most efficient and cost effective solution for system design

Application Development
* Designs, codes, verifies and validates programs and functions
* Provides application and user support and performs troubleshooting
* Oversees the technical implementation of projects as needed
* Interprets user requirements and proposes solutions to meet or exceed the requirements

Documentation
* Reviews documentation for the user describing the installation, use, and customization of products and services as necessary
* Uses product design specifications to direct development of useful documentation, help functions, and feature

Process Management
* Contributes to defining time tables and project plans
* Assists in the definition of milestones
* Coordinates with other IT professionals, as necessary
* Ability to troubleshoot failures and develop solutions

Required Skills
- Strong interpersonal, written, and oral communication skills required
- Provides effective communication regarding issues, objectives, initiatives and performance
- Must excel at working with peers within a team environment
- Ability to meet project plan timelines and produce a high quality product
- Ability to take individual initiative and accountability for assignments
- Ability to adapt to changing priorities
- Ability to quickly learn and apply new tools and technologies
- Strong conceptualization, analytical, and logic skills
- Detail-oriented with respect to documentation and communication
- Commitment to continuing professional development
- Participate in the requirements gathering meetings
- Solve business problems through technology
Company Summary

VGM Group, Inc., based in Waterloo, Iowa, is the national leader in diverse industries including health care, insurance and golf. Since inception in 1986, VGM has been providing business solutions to more than 25,000 companies throughout the United States and Canada, positioning them to save money and run more efficiently. The solutions vary by industry, but include some of the following: group purchasing power of vendor and manufacturer products and services, business insurance solutions, website development and online marketing, online education, government lobbying. -VGM specializes in everything a business needs to succeed in today's marketplace.

VGM Group is headquartered in Waterloo, Iowa, but this position is located in Dade City, Florida. The VGM Group has been recognized multiple times as a Top Workplaces in Iowa by the Des Moines Register; most recently VGM was awarded Iowa’s #1 Large Employer Workplace for 2015.

To learn more visit www.vgmgroup.com/about-us.

This job description reflects the general duties of the job but is not a detailed description of all duties which may be inherent to the position. Reasonably related additional duties may be assigned to the individual Associate.

To Apply

Send your resume and cover letter to cyndie.campbell@vgm.com. Include in your cover letter a description of your Python work experience.