Dear CSE Students:

Welcome to the fifth newsletter of the Spring 2019 semester.

**Message from the UG Advisor:**
Registration for the summer and fall terms is underway. Check OASIS to view the registration time you’ve been assigned. Register as soon as your time allows. Once you’ve registered, visit me for walk-in advising if you do not have a full schedule. Do not wait for spring grades to post. If you are planning to complete an internship for academic credit over summer, make sure you supply a signed and completed Industry Internship form along with a letter of offer before registration for Summer C ends. See an advisor for details. Reminder, graduation checklists for Fall 2019 were due on Friday, March 22nd.

**Message from the Grad Program Assistant:**
- Summer and Fall 2019 registration is now open! Plan accordingly and make sure you do not over register. In order to be considered full time, you only need 9 credit hours.
- If you need Thesis, Directed Research, Independent Study or Internship registration, make sure you submit the correct forms. They can all be found on our website.

Attached are announcements for the following (please note that this listing does not imply University or Department endorsement):
- Transition to Profession Panel Discussion
- Passing the Coding Test Technical Workshop
- Immersive Media Computing REU
- Summer Research Opportunity with Brown Human-Computer Interaction
- Image 1 Internship Opportunity
- Power Learning Systems Internship Opportunity
- Operational Technology Job Opportunity
- Junior System Administrator Job Opportunity
- Java Integration Developer Job Opportunity
- Software Developer Job Opportunity

Regards,

Ken Christensen
Professor and Associate Chair of UG Affairs
Transition to Profession: From being a Student to an Engineering Professional

Panel discussion
Presented by
IMSE Advisory Board members

Thursday, April 4, 2019
5:30pm-7:00pm
Location: ENB Building-Hall of Flags

All College of Engineering Students are WELCOMED!

Topics of Discussion:

• Key differences between “student-life” and “work-life” & Interviewing (Karen King)
• Look beyond the Engineering Department in a Corporate Culture (Jose F. Calderin)
• Performance Management, Teamwork and Effective Meetings (Ian Elius)

Pizza and Soda will be provided
JPMORGAN CHASE IN COLLABATION WITH ACM AND WICSE PRESENTS:

Passing the Coding Test

A technical workshop with a HackerRank competition

April 3rd, ENA 105
6:30pm-8:00pm

Free copies of *Cracking the Coding Interview* given to the first 40 attendees

Prizes given to the top 3 winners of the HackerRank Competition

*Free food, drinks, and desserts from Tijuana Flats!*

JPMorgan Chase & Co.
Immersive Media Computing

The Department of Computer Science and Creative Media Industries Institute at Georgia State University host the NSF REU Site: 8-week Summer Research for Undergraduates in Immersive Media Computing for 10 students.

Each REU participant will work with faculty advisors, industry advisors, graduate student mentors, and other undergraduate students to carry out a research project in areas such as VR/AR, 360-degree video, image processing, video streaming, image analysis, computer vision, GPU and parallel computing, etc. The REU students will have access to state-of-the-art VR/AR lab, WorldViz VR/AR CAVE, 4DViews volumetric capture lab, etc. Tutorials, research talks, and programming workshops will be held to guide the students. The REU students will have the opportunity to submit and present their work at academic conferences. We particularly encourage underrepresented students (such as minority and women) to apply.

Atlanta is a modern city with rich traditions. Major attractions include World of Coca-Cola, Georgia Aquarium, Centennial Olympic Park, Center for Civil and Human Rights, CNN, Mercedes Benz Stadium, College Football Hall of Fame, the Margaret Mitchell House, etc. Most of the attractions are close to Georgia State University campus.

Important Dates

Application due..............April 26, 2019
Program..... June 2 - July 27, 2019

Eligibility

1. US citizen or permanent resident of the United States
2. A full-time undergraduate student in STEM fields.

Financial Support

8-week Stipend: $4,000
Meal allowance: $1,350
Travel allowance: $500
On-campus university housing (included)

Application

2. For additional questions, please contact Dr. Zhisheng Yan zyan@gsu.edu 404-413-5120

Department of Computer Science
Georgia State University
Summer Research Opportunity with Brown Human-Computer Interaction

The Brown Human-Computer Interaction group [https://hci.brown.edu/] is looking for two summer students for research on self-experiments, specifically working as part of a team on designing, developing and analyzing results from Self-E, an automatically guiding self-experiment app (see the description below for more detail).

We are looking for students with experience in some of the following topics: self-tracking, mobile app development, visualization or design, machine learning or other statistical methods, and experimental design.

*Women and students from underrepresented groups are strongly encouraged to apply*

**Project Description:**

We are developing a fully automated system that guides users in adapting health tracking and behavior improvement information technology systems to suit their personal needs. While the goal of empowering users to improve their own health and wellness with data is impactful, current methods which rely heavily on displaying charts and providing summary statistics about steps taken and heart rate, are not sufficiently motivating for most people in the long term. What is needed is a way to provide guided self-experiments that offers a probabilistic interpretation of how likely a change is effective. The complete cycle includes generating personalized interventions through actionable behavior change suggestions, causal analysis to learn from outcomes, and then back to generating a new intervention.

**Funding:**

The students will be funded either through an NSF REU (pending) or other grant mechanism. They will receive a stipend of $8,000, be invited to summer events, and be part of a lab with other Brown University students doing HCI research over the summer. Students who are U.S. Citizens or permanent residents will be given preference due to NSF funding restrictions.

**Application:**

Applications submitted by March 31 will be given preference, but the application will be open until both positions are filled. To Apply go here: [https://goo.gl/forms/Hvm0DU4UMqblemIC3](https://goo.gl/forms/Hvm0DU4UMqblemIC3)

Our research group has had success with undergraduate students in the past, with over 50 students being involved in research in the past 5 years. 100% of our research papers have undergraduate student co-authors, and many have been accepted to Ph.D. programs in HCI afterwards.
WE ARE HIRING!

For a **PAID** Technology Internship
From Mid-June until the end of August

• Help Desk & Tier 1 support
• Experience Windows Server & SQL Server hands on
• Learn Systems Integration & Configuration
• BLAH BLAH BLAH BLAH BLAH BLAH BLAH

Forward the following information to: AMartinez@image-1.com
- Resume
- Letter telling us:
  Why do you want to this internship, and why you think you would be a good fit for Image One’s internship team?
Description:

Power Learning Systems specializes in live and online courses for electrical contractors. We have been in business for over 15 years, serving the 50 states with a passion for our students. We are seeking an experienced individual with a positive attitude to design websites and maintain the company’s social media presence.

Qualifications:

Proficiency in WordPress, PHP, CSS. Ability to work alone and in a team setting, communication and critical thinking skills is a must.

Work:

Full and part time positions are available.

Location and Contact Information:

Wesley Chapel office; email your resume to: resume@nlvca.org
Hourly Wage: $11.50

Duties:

This position will assist the Operational Technology department with technical support for various building control systems. Seeking a detail-oriented, self-motivated student that will be available for a year or more. 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.

This position will assist technicians with maintenance and repair of various field electronics, sensors, and devices. The ability to troubleshoot technical issues and solve common problems is necessary.

This position requires a broad background in computer hardware and software, with potential to learn specific control systems. Experience with Microsoft Windows, Microsoft Office, and common productivity software is required. Experience with SQL and common programming languages is preferred.

Average Number of Hours per Week: Hours are flexible, but an average of 20-25 hours per week is required. A valid Florida driver's license is required.

Standard Learning Objectives:

As a result of this position, student will be able to:

- Demonstrate basic employability skills such as: timeliness to work, appropriate dress, interpersonal communication, and time management
- Receive and solicit feedback from supervisor and effectively apply feedback on the job
- Assess workplace and demonstrate how personal talents, skills, and knowledge fit into the employer's goals, mission, and vision
- Demonstrate his or her professional brand (identity)
- Communicate transferable and functional skills to prospective employers

Contact Information for Questions about Recruitment: Brian Ippolito 813-974-2230; Jhoan Martinez Hernandez 813-974-2607
Jr. System Administrator  
St. Petersburg, Florida, United States Full-time

Job Description

System Administrator

Focus School Software is a fast-growing school district management software company. We thrive on creating some of the most innovative features on the market today, helping educators to meet their evolving needs in classrooms, district management, state reporting compliance, and other facets of student-centered education and technology. Focus School Software is looking to expand our System Admin team by hiring a Jr. Linux System Administrator.

Must haves:

Experience with RHEL, CentOS or another similar Linux operating system

Familiarity supporting PHP web stacks (Linux, Nginx, PHP-FPM, PostgreSQL, or any combination of the above)

Working knowledge of HTTPS, DNS, SSL, SSH, BASH, Python

Workable knowledge of SQL and database management (backup, restore, disaster recovery)

Know well at least one scripting language: BASH, Python, or PHP, etc.

Job Responsibilities will include:

Administration of Linux servers and PostgreSQL databases  
Creating Wiki articles  
Create Ansible, Jenkins or Python scripts to deploy new infrastructure or automate tasks  
Ability to pull, push, commit and peer review code changes to Git repositories for automation.  
Research new technologies to optimize servers  
Customer support on systems and network related issues

Focus School Software’s compensation package offers the following benefits:  
Medical Insurance  
Dental Insurance  
Life Insurance  
Short and Long Term Disability Insurance  
401(k)  
Paid Holidays  
Paid Vacation and Sick Time  
Casual dress code  
Paid parking in downtown St Pete  
Free lunch on Fridays
Java Integration Developer

We are looking for a talented Integration Developer to build parts of our next generation enterprise technology stack. With a mix of new hosted and cloud services, BIC Graphic aims to deliver smart technology solutions to better serve its customers. As part of the Integration Team, the successful candidate will contribute to projects with diverse technology deliverables, primarily focused on developing Java web services (REST and SOAP). Other technologies may include Oracle SOA Suite, MongoDB, and ThinkAutomation. The candidate should be highly proficient in programming Java web services. Bring a strong work ethic and commitment to delivering within needed timelines. Help us build our next generation integration hub and enable our business to grow!

Responsibilities:
- Write detail design documents for solution components that plug in to our architecture
- Develop and unit test solution components
- Troubleshoot and debug integration components that are already in production
- Work daily with the architect and project manager to meet design and development objectives and deadlines

Requirements:
- Bachelor’s degree in Computer Science or related field, or equivalent experience
- 3+ years of Java development
- Nice-to-haves include experience with Spring Boot, MongoDB, Microservice Architecture, Angular, and JDBC
- Strong user of eclipse and Maven
- Team player

Contact:
Lindsay Abramowitz
Corporate Recruiter, Talent Acquisition - BIC Graphic North America
14421 Myerlake Circle, Clearwater, FL 33760
Direct Line: 813-484-5492
E-mail: Lindsay.Abramowitz@bicgraphic.com
Software Developer Position

RAPiD Genomics is seeking a highly motivated person with excellent programming skills to join our team.

The successful candidate will:
- Independently develop web-based software to improve internal processes.
- Develop database structures to store and access information generated by the company.
- Work on a graphical user interface for company’s Single Page Web Application and design and implement REST APIs.
- Work with the bioinformatics team to optimize speed and stability of existing data processing pipelines on a high-performance computer cluster.

Requirements:
A B.S. degree in computer science or a related field. Preference will be given to candidates with the following skills, but necessary training will be provided as needed.
- Excellent communication and problem-solving skills.
- Experience writing RESTful web APIs.
- Strong knowledge of Java and Node.js/Angular.js/JavaScript.
- Experience building component-based frontend with Angular.js and HTLM/CSS.
- Experience with database creation and maintenance preferably using MongoDB.
- Experience working with git.
- Familiarity with Unix/Linux environment.

Candidate should be able to demonstrate knowledge on the required qualifications. The successful candidate does not need knowledge in biology, as necessary training will be provided if needed.

The position is available for immediate hire as full-time. A competitive remuneration package is available commensurate with qualifications and experience. The benefits include company healthcare, disability benefit, extended holiday entitlement and relocation expense contribution.

To apply or obtain more information, please send (i) a cover letter detailing experience, (ii) a resume, and (iii) contact of two references to: lab@rapid-genomics.com.

About Us:
Located in Gainesville, Florida, RAPiD Genomics is a fast-growing company focused on delivering innovative genomic applications to health science, animal-plant genetics and biological research. We offer the opportunity to work in a growing, dynamic field incorporating the newest ideas and technologies in genomics.

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