Dear CSE Students:

Welcome to the seventh newsletter of 2018.

**Message from the UG Advisor:** If you are planning to enroll in summer but have not yet done so, the deadline to register without a late-fee is Friday, May 11th. If you are registered prior to that deadline, you will still be able to adjust your schedule during the add-drop week for Summer A and C terms which begins on May 14th. Remember, if you have secured a summer internship for which you wish to receive academic credit, there are steps you need to take prior to starting the internship. You can find general information on this topic in the CSE FAQ on the undergraduate section of our website. You will need to meet the internship course prerequisite and submit an Industry Internship contract prior to beginning the internship. Please note that my walk-in hours may be interrupted during the summer to attend orientation sessions.

**Message from the Grad Program Assistant:** If you are graduating in Spring 2018 and have not submitted a graduation checklist, please do so as soon as possible! If you are graduating in Summer 2018, you can now begin to submit your graduation checklists. Please see me in ENB 342D if you have any questions. For those students taking classes in summer, do not forget to register by May 11 to avoid a $100 late registration fee. All CPT and OPT questions, please visit International Student Services for updates and any information you may need.

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

- Department of Computer Science and Engineering Teaching Assistants Positions
- Postdoctoral Funding Opportunities and Resources
- Product Design and Engineering Internship at Priateck
- AdTech Internship with McKay Advertising and Activation
- GlaxoSmithKline (GSK) Project
- Harris Corporation looking for graduating Seniors
- Programming Instructors Needed at iD Tech
- Position at Honeywell Aerospace (System I Engineer)
- Position at Honeywell Aerospace (System II Engineer)
- Technical Support Engineer at Impulse

Regards,

Ken Christensen
Professor and Associate Chair of UG Affairs
Dear Undergraduate Student,

The Department of Computer Science and Engineering is seeking undergraduate students to be appointed as Teaching Assistants beginning this Fall 2018 semester!

As an Undergraduate Teaching Assistant, you will be assigned to a lower undergraduate level course. Students will be appointed to work 10 hours a week, at $10 per hour. Your responsibilities will depend on the course to which you are assigned to, however, some responsibilities can include grading, submitting grades via Canvas, answering student emails, etc.

If you are interested in being considered for one of the available positions, please fill out this form at your earliest convenience.

Best Regards,

Gabriela Franco
Graduate Program Specialist
Computer Science and Engineering
Postdoctoral Funding Opportunities and Resources

The postdoctoral funding opportunities and positions that The Institute for Broadening Participation (BP) have posted are posted on our site. Feel free to share this information with STEM students who may be looking for positions.

Currently, we have 182 different postdoc opportunities across a range of STEM disciplines, funded by NSF, NASA, NIH, and university and research labs across the country. You can find them, along with some tips on applying, interviewing, and negotiating a postdoc position, here: http://pathwaystoscience.org/Postdocs_Portal.aspx

Our advanced search page is also a useful tool for narrowing down the selection of positions: http://pathwaystoscience.org/programs.aspx?adv=adv

Students may also follow us on social media to stay abreast of new opportunities:

Facebook: https://www.facebook.com/Pathways-to-Science-120825625433/

Twitter: https://twitter.com/IBParticipation

The Institute for Broadening Participation (IBP): www.PathwaysToScience.org
Product Design and Engineering Internship

Send resume to: jramos@priatek.com

Priatek is breaking new ground by creating the world’s first and only social-gamification-network. Priatek’s revolutionary platform allows advertisers to interact, engage, and sell to consumers. Advertiser’s content is distributed nationally through Priatek’s network in retail malls, universities, hotels, sporting venues, events, social networks and mobile. Each advertiser’s prize promotion engages consumers and is continuously improved using big data analytics, and machine learning to maximize results. For consumers, we offer fun, trust and value across the network, where people win valuable prizes and cryptocurrency every time. Yet Priatek never sells consumer personal data. Consumers engage and earn crypto with promotions via kiosks, mobile or online then use their winnings to buy cool products. By becoming the premier aggregator of prize promotions, Priatek will award more prizes than anyone else in history.

Our engineering team is passionate about developing talent and as a result we are looking for Product Design and Engineering interns. As an intern in our R&D organization, you will be mentored by experienced professionals that care about your personal growth and development as much as we care about our products. Excellent products are developed by excellent people.

As an intern at Priatek you will learn how to develop products in a fast paced startup environment. You will be assigned to work on real engineering projects and will be focused on delivering high-value results through innovative design that redefines consumer engagement. You will conduct technical studies, trade-offs and architectural analyses of complex integrated systems, and user interfaces. You will analyze the effectiveness of large and complex systems and make optimizations where needed. You will perform product design and engineering, not busy work.

Most importantly you will learn the professional habits and essential skills needed to launch your career on a success trajectory while helping Priatek build the future of consumer engagement.

The duties and responsibilities of the Product Design and Engineering Intern include:

- Be an active learner and recipient of coaching and mentorship.
• Maintain high standards of product quality by developing best practices and habits. Identify and pursue areas for personal growth and improvement.
• Collaborate with other software developers, business functions and management to plan, design, develop, test, and maintain kiosk and mobile software using several technologies
• Contribute to the collection and documentation of user's requirements, development of user stories, estimates and work plans.
• Use tools and methodologies to prototype product functions and user interfaces
• Contribute to the development of high-level product specifications.
• Contribute to the definition of overall system architecture with an emphasis towards functionality, robustness, security, scalability and performance.
• Contribute to the selection/development and implementation of innovative solutions.
• Ensure product meets requirements of quality, security, modifiability, extensibility etc.
• Prepare reports, manuals and other documentation for systems.
• Assist with the design and development of unit test applications in accordance with established standards.
• Participate in peer-reviews of solution designs and related code.

Desired Skills & Experience Minimum Requirements

• Eagerness to learn, receive coaching and mentoring.
• Excellent attitude
• Excellent communication skills
• Show up on time and always be ready to work smart
• Bring your own computer
• Familiarity with the product/engineering development principles

Job Types: internship
Internship: AdTech

McKay Advertising and Activation is an AdTech company in Ybor City. We have many clients but a few are USF Athletics, Tampa Bay Lightning and Gasparilla Music Festival. We need assistance with certain integrations for programmatic marketing. Some products we use are Google, Youtube, Facebook, Instagram, Acuity, Perfect Audience and others. We are a company whose mission is to deliver completely trackable and transparent marketing results. ROI of all campaigns is a mandatory practice. The critical component is the installation of tracking on third party vendor sites, Ticketmaster, Eventfly or CRM systems like Velocify and Bigcommerce. The integration piece is critical.

Coding experience
Website building Dev
API Integration talent
Graphic design
Pixel Application

20-25 per hour internship (5-10 hours weekly)
Great work environment, with a great team, that accomplishes great work, for great clients.

Interested parties contact:
Bob McKay    CEO    bob@mckayadvertising.com
GlaxoSmithKline (GSK) Project

We at MindSumo just partnered with GlaxoSmithKline! This exciting GSK challenge just launched and will be open for students to solve for 30 days.

MindSumo is a platform that provides real company projects for students to help them develop professional skills and valuable experiences for resumes. We have worked with over 350 companies in the past and have over 300,000 students in our community.

The GSK challenge asks students to think of an out of the box solution to monitor sleep and wakefulness. They've specifically mentioned their interest in hearing from CS, Information systems and engineering students.

GSK - Can you build a sleep tracking solution that will help patients?
Link: https://tinyurl.com/ycovksb5

Before solving, we recommend students to do a little reading and get a basic understanding of relational databases (open source, proprietary), Hadoop, Hive, Spark and also of Google cloud, Azure and similar cloud tech.

Feel free to reach out to us if you have any questions or would like any clarification. Contact Isha Punjabi at isha@mindsumo.com with any questions regarding this project.
Harris Corporation looking for graduating Seniors

We're looking to add strong C++ Embedded Software Engineers and RF Electrical Engineers such as yourself for our growing team in Sunrise. C++ Embedded Software Engineers must have C++ embedded, OOD, software development, and integration experience. RF Electrical Engineers must have RF hardware and circuit design experience. These are permanent positions with wonderful benefits beginning day one of employment, to include lots of opportunities for growth!

Learn more about Harris Corporation by checking out this YouTube video: https://www.youtube.com/watch?v=4qRt9yx1ayk&feature=youtu.be

To fast track your interest, please directly apply here: https://harrisrccorp.peoplefluent.com/res_viewjob.html?optlink-view=view-61666&ERFormID=res_newjoblist&ERFormCode=any
Good morning Dr. Christensen,

Earlier this year you shared information about positions at our summer programs with your students. We still have a few open spots, specifically in Machine Learning. If you know anyone still looking for a summer position, please feel free to share my contact information and our jobs website where they can learn more and apply.

Thanks in advance for your help!

Katie Comerford
Regional Manager
669.237.7573

iD Tech
CAMPS, ACADEMIES & ONLINE
iDTech.com  Facebook  Twitter
Position at Honeywell Aerospace (System I Engineer)

Launch innovations in nearly every commercial and defense aircraft platform

Join a team that designs, develops and integrates highly complex systems within Honeywell Aerospace. You will be integral in creating system solutions that meet the evolving needs of our customers. You will be involved in every aspect of the systems life cycle; from the front end of business development through product end of life.

Honeywell System Security Engineering has experienced significant growth in the area of Cyber System Security analysis and application to support both Defense & Space Design and Production implementation.

Highly organized engineer with experience in handling multiple simultaneous programs. Work with more experienced engineers leading to their direct interaction with customers to determine true cyber protection requirements. Leverage both their logical thinking and analysis skills, along with the use of good practice System Engineering allocation skills to Achieve success in integrating DoD Cyber Security requirements with the core functional program requirements.

10% Travel
25% Systems Design
25% Development System Design
25% Requirements Analysis
15% Budget/Schedule Responsibility

YOU MUST HAVE

- Bachelor’s degree in Electrical Engineering or Computer Engineering, or Aerospace Engineering field.
- Required to be able to obtain and maintain a DoD Security Clearance.
- Ability to work on multiple programs
- Ability to work in small teams
- Ability to Present Finding in person to customers

Highly preferred

- A minor or double major in Computer Engineering, computer Science, or Electrical Engineering to compliment your BS degree in the other area of study in the MUST HAVE SECTION
- Cyber Security Background in IOT
- A cyber security DOD 5870 compliant certificate such as Security Plus, or CISSP

WE VALUE

- The ability to work well in small groups and have excellent communication and presentation skills.
- Familiar with DoD IT systems, including Audits and RMF implementation.
- Must complete the highest level of education no more than 12 months prior to hire date.
- Experience with DOD cyber analysis tools including SCRM, SWAP, and OPSEC and have a familiarity with the various cyber security controls under NIST 800
- Individuals that quickly analyze, incorporate and apply new information and concepts.
- Diverse and global teaming and collaboration
- Effective communicator
- Individuals who are self-motivated and able to work with little supervision, who consistently take the initiative to get things done.
- Ability to adapt dictated by project changes
• Multi-tasking and has the ability to manage a variety of complicated tasks.

Due to US export control laws, must be a US citizen, permanent resident or have protected status. Exempt Why Our Employees Chose Aerospace

INCLUDES

• Relocation Provided
• Continued Professional Development
• Some Travel Required

ADDITIONAL INFORMATION

• Job ID: HRD12229
• Category: Engineering
• Location: Clearwater, FL - USA

Honeywell is an equal opportunity employer. Qualified applicants will be considered without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality, sex, or veteran status.
Position at Honeywell Aerospace (System II Engineer)

Launch innovations in nearly every commercial and defense aircraft platform

Join a team that designs, develops and integrates highly complex systems within Honeywell Aerospace. You will be integral in creating system solutions that meet the evolving needs of our customers. You will be involved in every aspect of the systems life cycle; from the front end of business development through product end of life.

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10% Travel
25% Systems Design
25% Development System Design
25% Requirements Analysis
15% Budget/Schedule Responsibility

YOU MUST HAVE

- Master’s Degree in Electrical Engineering or Computer Engineering
- Required to be able to obtain and maintain a DoD Security Clearance

Highly preferred

- A Bachelor of Science in Computer Engineering, Computer Science, or Electrical Engineering to compliment your MS degree in the other area of study in the MUST HAVE
- A cyber security DOD 5870 compliant certificate such as Security Plus, or CISSP

WE VALUE

- The ability to work well in small groups and have excellent communication and presentation skills.
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**TECHNICAL SUPPORT ENGINEER**

**JOB SUMMARY**

Impulse.com is seeking a Technical Support Engineer (TSE). A TSE resolves a wide variety of challenging technical support cases submitted by Impulse’s customers and partners. The TSE works closely with senior technical personnel, including industry experts in networking and security. The TSE reports directly to the Customer Support Manager (CSM). This is an entry level position that serves as a stepping stone to either a software engineer role or other technical roles, such as quality assurance engineer, deployment engineer, or network engineer.

Impulse develops network security software that is used globally by a wide range of institutions to protect their networks and applications. Company website: [https://impulse.com/careers/](https://impulse.com/careers/)

To apply, send your resume to: jobs@impulse.com

**ESSENTIAL DUTIES AND RESPONSIBILITIES**

- Provide our customers with a first line of software support for our range of products, while maintaining a superior level of customer satisfaction
- Case tracking, documenting and routing of issues, using our Salesforce case management system.
- Log customer interactions, including problems, solutions, and time tracking for all support activities
- Automate solutions to configuration issues using Python and Bash scripts
- Escalate issues and engage appropriate technical resources.
- Use, contribute to, and help administer our internal technical support wiki
- Create and update customer facing documentation
- Stay current with system information, changes and updates

**KEY COMPETENCIES**

**Primary Competency:** Must have an intense curiosity, and drive to understand and master new technologies. *This factor is by far the most reliable predictor of success in this role and can more than make up for shortfalls in education or work experience!*

Other important competencies include:

- Strong communication and interpersonal skills to effectively deal with various management levels, peers & end user needs
- Experience with Linux, networking, SQL databases, and developing Python and shell scripts
- Actively seeks to share expertise with others