Dear CSE Students:

Welcome to the fourth newsletter of the Spring 2015 semester.

**Undergraduate Program (CS and CpE):** We are quickly approaching spring break. Shortly thereafter, graduation day. Doing a quick review, I have noted many who plan to graduate in spring have not stopped by to confirm that their records are up-to-date. CIS 4900 and CIS 4940 may be accepted as an elective, but Degree Works does not automatically update them. Also, some of the theory electives do not migrate to the correct place; and CIS 4930 courses will not be counted as a hardware or a software specific elective without manual intervention. Do you have any of these courses that need to be adjusted? If so, you need to see me.

**Undergraduate Program (IT):** BSIT students: Graduating this Summer or Fall 2015, please schedule an appointment with Lisa Wetmore for a graduation check. Have a fun and safe Spring Break!

**Graduate Program:** For those of you who are defending this semester, please follow all College of Engineering deadlines in the College of Engineering Format Guide. The guide can be found here: [http://www.usf.edu/engineering/graduate/index.aspx](http://www.usf.edu/engineering/graduate/index.aspx). As always, please check the CSE graduate program calendar for future deadlines and events.

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

- Summer School on Brain Science at the Berkeley
- 3rd Heidelberg Laureate Forum
- Research Experience for Undergraduate SITE Program Security of Smart Things at FIU
- Jelinek Summer Workshop on Speech and Language Technology
- Put your IT education to work in the SAMHSA Internship Program
- Tech Internship at Coca-Cola East Japan
- Web Development and Design Opportunity for USF students
- Intel Internships for MS and PhD students
- Jr. Software Developer at Mangrove Software
- Part-time Position to Re-Work an Excel Workbook
- Wanted, Tutor for Discrete Structures

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](http://www.cse.usf.edu/newsletter)
Dear chair:

I am writing to ask you to bring the following opportunity to the attention of your PhD students:

The Redwood Center and the Simons Institute are co-organizing a Summer School on Brain Science at the Berkeley campus this summer. The school is intended for graduate students and postdocs in Math, Physics, Neuroscience, and *for the first time Computer Science*. Thanks to generous support from CCC, we will be happy to support a few qualified PhD students from all areas of CS so they can attend the workshop.

Please see the course webpage http://crcns.org/course for application details.

Many thanks for telling your grad students about this opportunity!

Christos Papadimitriou
C Lester Hogan Professor of CS
and Senior Scientist, Simons Institute.
Apply now!
Submission Deadline: February 28, 2015

- Mathematics and computer science in one symposium.
- Meet your scientific heroes face to face.
- Advance your scientific career.
- Board and lodging provided.
- Travel grants available.
- Event language: English

“One of the most enriching experiences of my life.“
Young researcher at HLF 2014

The Heidelberg Laureate Forum connects highly talented young researchers (undergraduates, PhD candidates, and postdocs) with the best scientists in their research fields: mathematics and computer science (Abel, Fields, Turing, and Nevanlinna Laureates).

For more information and application, please visit:
www.heidelberg-laureate-forum.org
Research Experience for Undergraduate SITE Program
Security of Smart Things

Programs Offered
• Weekly Seminar/Workshops
• Preparation of research poster
• Individual academic counseling
• Hands-on Training with real equipment
• Field Trips
• Social and cultural activities

Eligibility Requirements
• Undergraduate students majoring in a science or engineering discipline
• Students must be a U.S Citizen or permanent resident
• Students should have a minimum of 3.25 GPA

Application Deadline
March 1, 2015

Program Date
June 1, 2015 to August 1, 2015

Each participating undergraduate student will receive award of $2000 per month, travel allowance of $750, On-Campus housing, meals and material cost.

For application inquiries, contact:
FIU SST-REU site coordinators
Dr. Kemal Akkaya
Email: kakkaya@fiu.edu
Dr. A. Selcuk Uluagac
Email: suluagac@fiu.edu

For further information
https://sst-reu.fiu.edu
Subject: Undergraduate Spots on NSF-Supported Summer Research Teams

The University of Washington is hosting the 2015 Jelinek Summer Workshop on Speech and Language Technology (JSALT), in cooperation with the Johns Hopkins Center for Speech and Language Processing. We are seeking outstanding members of the current junior class to join a summer research workshop on language engineering from June 22 to August 14, 2015.

The 8-week workshop provides an intense intellectual environment. Undergraduates work closely alongside more senior researchers as part of a multi-university research team, which has been assembled for the summer to attack some problem of current interest. The teams and topics for summer 2015 include:

* Far-field speech enhancement and recognition in mismatched settings
* Continuous wide-band machine translation
* Probabilistic transcription of languages with no native-language transcribers

We hope that this stimulating and selective experience will encourage students to pursue graduate study in human language technology, as it has been doing for many years.

The summer workshop provides:

* An opportunity to explore an exciting new area of research
* A two-week tutorial on current speech and language technology
* Mentoring by experienced researchers
* Participation in project planning activities
* Use of cloud computing services
* A $5,500 stipend and $2,800 towards per diem expenses
* Private furnished accommodation for the duration of the workshop
* Travel expenses to and from the workshop venue

Applications should be received by FRIDAY, FEBRUARY 27, 2015. The applicant must provide the name and contact information of a faculty nominator, who will be asked to upload a recommendation by March 6, 2015.

Apply online here:

https://www.ee.washington.edu/student/visit2015/application.html

Questions can be directed to Prof. Mari Ostendorf <mo@ee.washington.edu>.

Applicants are evaluated only on relevant skills, employment experience, past academic record, and the strength of letters of recommendation. No limitation is placed on the undergraduate major. Women and minorities are encouraged to apply.
Put your IT education to work in the SAMHSA Internship Program

A paid internship with SAMHSA is a solid return on your education investment.

The Substance Abuse and Mental Health Administration (SAMHSA) is dedicated to building a diverse workforce that will lead the nation in implementing state-of-the-art technology that improves the delivery of health care services. The SAMHSA Internship Program is part of the agency’s efforts to attract the best and brightest and is open to highly qualified college and university students with interest and experience in the following areas:

- Information technology
- Computer science
- Business administration
- Business communications
- Public health
- Public policy
- Behavioral and social sciences

The SAMHSA Internship Program is targeted to students who are women, disabled, veterans, or Asian and Pacific Islanders as well as those in Hispanic Colleges and Universities, Historic Black Colleges, Tribal Colleges and Universities, and recovery institutions.

The 10-week SAMHSA Internship Program will introduce you to the computer systems, software applications, and networks that support electronic medical records, telemedicine, and other health IT initiatives. And it will help boost your career and give you a competitive advantage. As a SAMHSA Intern, you will work 40-hours a week on meaningful projects, gaining real-life experience in areas aligned with your course of study. You also will learn about the multiple leadership opportunities that exist within SAMHSA and where, as a part of the SAMHSA workforce, your knowledge and skills would have the greatest impact.

Apply Today

Program Details

Location: SAMHSA, the agency in the Department of Health and Human Services dedicated to the prevention and treatment of substance abuse and mental illness, is located in Rockville, MD, a Washington, DC suburb.

Internship Dates: June 8 – August 14, 2015

Eligibility: To be eligible for the internship, applicants must:

- Have proof of U.S. citizenship or a permanent resident registration card (I-151 or I-551). Individuals on temporary visas are not eligible
- Be enrolled in an accredited academic institution or a recent graduate (within one year) of a Bachelors or Graduate degree. Veterans, unable to apply within two years of receiving their
degree due to military service obligation, have as much as six years after degree completion to apply.

- Have a minimum 3.0 GPA on a 4.0 scale

**Graduate Student Stipend:** $480 a week, paid bi-weekly

**Undergraduate Student Stipend:** $380 a week, paid bi-weekly

**Housing and Travel:** Non-local interns will be placed in shared housing. SAMHSA will reimburse non-local interns who find and pay for their own housing up to $600 per month. SAMHSA will handle travel arrangements and pay for roundtrip fares and baggage fees for non-local interns traveling from their home to their temporary housing by plane, bus, or train.

**Application Deadline:** March 27, 2015

For more information and to apply, please visit [http://beta.samhsa.gov/about-us/jobs-internships/internships](http://beta.samhsa.gov/about-us/jobs-internships/internships)

Regards,

**Carl-Henry J. Fortune, MPH, MBA, MHA**  
Program Director  
SAMHSA Internship Program  
**DB Consulting Group, Inc. (SAMHSA Contractor)**  
8401 Colesville Road 3rd Floor  
Silver Spring, MD 20910  
(301) 589-4020 ext. 4151
Intrax Global Internships
Experience Life in Japan Today

Internship Summary

Title: Tech Internship at Coca-Cola East Japan
Company: Coca-Cola East Japan
Internship Location: Tokyo, Japan
Internship Date: Immediately
Duration: 6 months minimum

Internship Description

Take this perfect opportunity to experience Japanese culture! Join a global beverage company evolving to become the world’s fifth largest Coca-Cola bottler through sustainable growth.

Coca-Cola will offer a stipend of 2,000 yen/hour, provide flight tickets, insurance, visa support, and cover the commuting cost.

You Will:

Support and run SAP Technical Operations and Administration, learn SAP security System and provide Security administration, and develop your own thesis around SAP Basic Operations and Support.

Apply if:

• You want are interested in Japanese culture
• You are eager to learn more about SAP security systems
• You possess good English communication skills; no Japanese required
• You are familiar with Java and C#

Apply Today

Visit www.globalinternships.com to apply or call (877) 429-6753. Inquire about Intrax/Coca-Cola Scholarships!
Web Development and Design Opportunity for USF students

Our website www.ratemycollegehousing.com is an innovative website designed for college students and their parents to optimize their college experience by helping students find where to live during college. Our website aims to provide quality information, reviews, ratings, and photos to help aid college students and parents in one of their most important decisions, choosing where to live. Just like you already do with your professors every year, we want students to give their opinions on the student housing they live in so that other students in the future can get an idea of what it’s actually like to live there when they sign a lease.

We are a young and fun company looking to find another web developer to work with our team. The website has been fully established for roughly a year and running with consistent traffic. The ideal candidate would be a current student who would like to first work as an intern with the possibility of being brought on to work as our main developer. We are looking to expand the website further, add features, and redesign certain sections.

Job Specifics:

- Part time flexible schedule
- Expansion of current database search function
- Further development of new website functions
- Altering design of website
- Streamlining various website aspects

Applicant Requirements:

- Proficient in PHP, HTML, and SFTP
- Ability to bring creative solutions to programming issues
- Responsible and reliable independent worker
- *Wordpress and design experience preferred

Please email resumes to Jake@ratemycollegehousing.com if interested!
Hello Professors,

It's been a while! I hope you all have been well. I'm contacting you in hopes of increasing the number of USF students who go onto Intel. I only know a handful. My team is looking for multiple graduate interns currently pursuing a MS or PhD. If you have a student that is strongly familiar/experienced with machine learning, big data or distributed computing, please encourage them to apply using the link provided below.

Interviewing will start next week and continue for a few weeks. Additionally, it's worth mentioning that students who qualify and are considered under-represented minorities (female, black, hispanic) may have an advantage over equally qualified candidates.

The exact task(s) will be decided after candidates have been chosen and informed. Ideal candidates will be familiar with and have experience with:

- Big Data
- Machine Learning
- Distributed computing related to Apache Spark or Hadoop
- Benchmarking and performance analysis

Candidates will program primarily in Java or Scala, but other languages may be used as well.

Location: Portland metropolitan area (Hillsboro, OR)

Commitment: 3-6 months
Start date: Feb-May (this is a correction)

DCG Big Data Systems Engineering Grad Intern - Requisition # 753935


Students are welcome to email me (ldmtwo@gmail.com) questions regarding what it's like living/working here or concerns, but there is not much more I can say about the position. It's definitely good for nature (http://goo.gl/RYJ8ZS) and art lovers. The public transportation (metro, train, and bus) is one of the best in the country. I like it here at least and it's actually bike friendly.

Thanks,
Larry Moore
Jr. Software Developer


Division Mangrove Employer Services
Location Development - Tampa, FL
Employment Type Full Time Regular Employee
Date Posted 12/15/2014
Contact Name Joanne Jacob

Job Code 000075

**Job Details**
Headquartered in Tampa, Florida Mangrove Software provides Human Resource Management, Payroll Processing, and Benefit Administration software and services, to commercial and non-profit clients, and service bureau organizations throughout the United States.

At Mangrove, we pride ourselves on being an employee-based company, which means that our people are recruited and hired with the intention of a long-term, growth-oriented career. We always offer our associates the opportunity for advancement before we look outside the organization. We want to provide an environment that continually promotes the growth of our people because when our people grow, we grow!

**Essential Job Functions:**
- Using Microsoft .NET development suite, particularly ASP.NET and VB.NET to create new software applications, modify, repair or improve existing applications, and test applications for functionality with proficiency.
- Exhibit proficiency in SQL Server development of stored-procedures, functions and triggers.
- Have a good understanding of SQL Server Indexing, Optimization and Execution Plan Revision.
- Exhibit Proficiency in client-side scripting using JavaScript, Ajax, Bootstrap and jQuery.
- Learn and understand business rules and translate them into leading solutions.
- Work in a team environment to successfully complete development projects in the agreed upon time frame.
- Maintain solid technical documentation practices for development initiatives.
- Exhibit solid time management skills by completing assigned projects and tasks by agreed upon deadlines.
- Work collaboratively with team members and other departments to ensure deliverables are consistently met.
- Communicate clearly, concisely and timely, both orally and in written documents as needed to maintain or exceed required service levels.

**Education, Experience and Skills Requirements:**
- High school diploma or GED
- One to three years development experience with the .NET development suite – particularly, ASP.NET, VB.NET.
- One to three years development experience with JavaScript, Ajax, bootstrap and jQuery.
- One to three years development experience with SQL Server development of stored-procedures, functions, triggers.
- Solid understanding of object-oriented design principles
- Maintain a positive attitude and be able to work independently and in a team environment.
- Strong time management and organizational skills to enable productivity quickly.
- Strong technical documentation ability
- Strong verbal communication skills and a demonstrated ability to work effectively in team-based development projects.

**Preferred Skills:**
- Highly desired but not required Crystal Reports development.
- Highly desired but not required Windows Services and Web Services development.
- Desired but not required SSIS, SSRS for SQL Server.
- Desired but not required experience developing Enterprise level business applications.

**PLEASE RESPOND WITH SALARY REQUIREMENTS.**

Candidates must successfully complete a pre-employment background and drug screen to be considered for employment.

Mangrove Software/Mangrove Employer Services, Inc. is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, Mangrove will provide reasonable accommodations to qualified individuals with disabilities and encourages prospective employees to discuss potential accommodations with the employer.
Part-time Position to Re-Work an Excel Workbook

This immediate opportunity is for a creative, autonomous, undergraduate or graduate student pursuing a degree in Computer Science. The candidate for this special project will have expertise in Excel. The project is the redesign of an existing excel workbook with multiple linking worksheets for a Fortune 500 healthcare company. This workbook is provided to our customers as a tool to track and manage product, inventory, ordering, costs and usage. We estimate a 4-6 week time frame for completion of project.

Please respond to Cynthia.holland@domtar.com
Wanted, Tutor for Discrete Structures

3 hours/week

$30/week

Contact: David Nunez - email: davidnunez@mail.usf.edu