Dear CSE Students:

Welcome to the third newsletter of the spring 2014 semester.

**News from the Undergraduate Program:** If you are planning on graduation either Summer 2014 or Fall 2014 then your graduation checkout is due March 20, 2014 – don’t wait until the last minute to schedule your graduation checkout appointment.

**News from the Graduate Program:** For those of you planning to defend your thesis/dissertation this semester, please remember to book a room/projector and send me your announcement at least two weeks in advance. For Ph.D. students, the Admission to Candidacy deadline for this semester is April 11. At this time, I will need your Admission to Candidacy form, Plan of Work and Committee Form. For all other deadlines, please check the CSE Graduate Calendar on the website.

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

- Next Generation Networking Technologies – NSF Summer Research Experience for Undergraduates (REU)
- Johns Hopkins Summer Research Expeditions (SRE) for Undergraduates
- Sustainable REU at MSU
- Summer internships for students with disabilities
- The EDGE program
- NASA is actively recruiting interns
- Web development and design for equity stake in Prodagi.com
- Computer Programmer for Remote Sensing Applications at Dewberry
- Lockheed Martin Information Session March 4th
- Hadoop Developer Training Program
- Open Source Developer position in Rockville, MD

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)
Next Generation Networking Technologies
NSF Summer Research Experience for Undergraduates (REU)

Come Spend the summer in Philadelphia!
- Enjoy the City of Brotherly Love
- Experience the arts, music, and culture of the nation’s 6th largest city
- Explore the historic sites in Philadelphia and the area
- Elaborate World-Class research faculty and facilities

Program Overview
- Funded by National Science Foundation (NSF) and Department of Defense (DoD)
- 8 Weeks paid program May 29th to July 24th - $4000 Stipend
- Travel, housing and meals will be provided as necessary
- Open to sophomore, Junior & Seniors in computer related majors
- 3.0 GPA or better
- US Citizen or Permanent Residency is required
- Students in Math, Physics or Engineering are also encouraged to apply

Sample Research projects:
- Mobile computing
  - Low energy wireless communication for Smart Phones
- Wireless communication
  - User access in cognitive radio networks (CSRs)
- Cloud computing
  - Faster VM Migration in the cloud

Faculty Mentors:
- Dr. Shan Lin
- Dr. Justin Shi
- Dr. Chiu C. Tan
- Dr. Jie Wu

Applicants are encouraged to check their websites to get a better idea about their research

Deadline to apply – March 15th 2014 (new deadline!)

Committed to encouraging applicants who are also members of a group underrepresented in computing (e.g., women, African Americans, Hispanics, American Indians, Pacific Islanders) or who are enrolled in a minority, women’s, or non-doctoral institution

Dr. Chiu Tan  cctan@temple.edu  215-204-6847
www.cis.temple.edu/~cctan/reu.html
Join the unique interdisciplinary research program for undergraduates hosted by the Computer Science Department at the Johns Hopkins University

Projects in Machine Learning • Robotics • Computer Vision • Mobile Computing • Programming Languages • Mining Social Media • Computational Healthcare

• Dates: May 27-August 1, 2014 • Stipend and Housing are provided
  • Local lab tours & Presentation Classes

APPLICATIONS DUE BY: February 28, 2014
To submit application visit: http://cs.jhu.edu/sre
Phone: (410) 516-6841 / E-mail: asampath@jhu.edu

Ideate. Innovate. Inspire.
Welcome to the 2014 Summer Research Experience for Undergraduates (REU) program in the Computer Science Department at Montana State University sponsored by the National Science Foundation!

Spend your summer in Montana gaining research skills and preparation for graduate school!
Topics Include:
- Energy efficiency in wireless and wired networks
- Applications such as smart grid control and environmental monitoring and modeling
- Algorithm design and optimization

Highlights:
- 10 weeks, June 2 - August 8
- $5000 stipend
- Travel expenses up to $750
- Housing at MSU
- Meal allowance
- State-of-the-art research facilities
- Faculty-student mentoring
- Weekend outings, social activities

Project Director:
Dr. Brendan Mumey, Computer Science, MSU
Email: mumey@cs.montana.edu Phone: 406.994.7811

Project Co-director:
Dr. Clemente Izurieta, Computer Science, MSU
Email: clemente.izurieta@cs.montana.edu Phone: 406.994.3720

About MSU:
- Located in Bozeman, Montana in the heart of the Rocky Mountains
- Approximately 15,000 students
- www.montana.edu, www.cs.montana.edu

Nearby attractions:
- Yellowstone National Park, www.nps.gov/yell
- Hiking and biking trails 10 minutes from campus

Program Objectives:
1. Expose students to real-world, innovative and interdisciplinary research focused on networks research
and network modeling with application to sustainability
2. Encourage more undergraduates to continue their academic careers and seek graduate degrees in computer science, engineering, and environmental science
3. Help participants develop research skills and improve communication and collaborative skills.
4) Have fun!! We will organize several group activities such as hikes, a trip to Yellowstone and whitewater rafting. Montana State University is located in the heart of the Rocky Mountains in Bozeman, Montana.

Click “To Apply” above for the application process.
Summer internships for students with disabilities

Subject: AccessComputing internships for students with disabilities
Date: Thu, 27 Feb 2014 17:03:08 -0800
From: Brianna Blaser <blaser@uw.edu>
To: Brianna Blaser <blaser@uw.edu>

Please share the message below with students and faculty in computing fields such as computer science, computer engineering, information technology, and informatics. We have funding for internships for students with disabilities who are studying computing-related fields.

I'm happy to answer any questions.

Best,
Brianna

AccessComputing, a National Science Foundation funded project, aims to increase the participation of people with disabilities in computing careers. Once again, AccessComputing has funding for students with disabilities to participate in summer internships. Students participate in both research internships as well as non-research internships. As we all know, internship experience is important as students move on to the next steps of their careers.

Students with disabilities who are interested in summer internships are encouraged to fill out the form at: https://catalyst.uw.edu/webq/survey/blaser/224098 Through applying for an internship, students will have the opportunity become AccessComputing student team members. Student team members engage in online mentoring and are eligible to request funding for internships, travel to conferences, and tutoring.

Faculty who are interested in hosting an AccessComputing student with a disability as a research intern, are encouraged to contact AccessComputing PI Richard Ladner directly at ladner@cs.washington.edu

Learn more about AccessComputing by checking out our latest Opportunities! newsletter that helps students with disabilities learn about careers in computing, locate resources, and learn about opportunities for students with disabilities.

For more information or help with the application, contact Brianna Blaser at blaser@uw.edu.

Best,
Brianna

Brianna Blaser, Ph.D.
Counselor/Coordinator, DO-IT
washington.edu/doit
University of Washington
4545 15th Ave NE, Suite 100 | Seattle, WA 98105
206-221-4163 | fax: 206-221-4171 | blaser@uw.edu
Dear Mathematicians!

The EDGE Program (Enhancing Diversity in Graduate Education) is sponsored by Morehouse and Pomona Colleges and funded by the National Science Foundation. The goal of this program is to strengthen the ability of women students to successfully complete graduate programs in the mathematical sciences, with particular emphasis on women from underrepresented groups.

**Information about EDGE 2014 at Harvey Mudd College**
The next EDGE summer program will be held June 2-27 at Harvey Mudd College in Claremont, Calif.; Talithia Williams, assistant professor of mathematics at Harvey Mudd College, is the local director. A stipend plus travel, room and board will be awarded to participants. The application deadline for the program is Monday, March 3. Participants to the program will be announced in mid-April.

Application materials are available for download below. Instructions for completing the application are in the Word file. If you have any questions about the application, please see our FAQ page or contact us. If you would like a paper copy of the application mailed to you, please contact us.

Applications are available at www.edgeforwomen.org.

**Application Deadline: March 3, 2014**

**Eligibility**
NOTE: Applicants DO NOT have to have been accepted to a graduate program at the time of their EDGE application.

Applicants to the program should be women who: 1) have applied to graduate programs in the mathematical sciences (and have been accepted to a program before June), or 2) have completed their first year of graduate school in the
mathematical sciences.

Women from minority groups are encouraged to apply. Final acceptance to the program is contingent upon acceptance to a graduate program in the mathematical sciences. Unfortunately, at this time, we are only able to fund U.S. citizens and permanent residents.

Unwavering Commitment to Diversity
EDGE seeks to create, identify and disseminate programs and strategies that improve the persistence of women and minority graduate students, and contribute to the development of a diverse mathematical community.

Sources of Funding
The EDGE Program has received funding from Microsoft Research, the National Science Foundation and the National Security Agency. In addition, all of the hosting institutions have contributed resources to the program. Thank you!
NASA is actively recruiting interns for its paid summer internship program! Internships are available for undergraduates and graduate students (M.S., Ph.D.) in a wide variety of disciplines including engineering, computer science, physics, astronomy, life and earth sciences. Opportunities for engineering students include bioelectrochemical systems for space applications, water quality analysis, fuel cells, storm water management, materials science, Arduino and Raspberry Pi control of simple vehicles, robotics, RF communications, etc. **The deadline is March 1st.**

Interested students must be U.S. citizens with a 3.0 overall grade point average or higher.

To apply, students should do the following:

1) Visit the NASA One Stop Shopping Initiative website at: [https://intern.nasa.gov/](https://intern.nasa.gov/)

2) Click on "Internships" under Student Opportunities

3) Click on “Search Opportunities” (applicants can enter keywords to help narrow search)

4) Complete the online registration to apply for up to 15 specific internships opportunities

Please feel free to contact me should have any questions or need assistance with the application.

Sincerely,

Bernard L. Batson  
College of Engineering  
University of South Florida  
4202 E. Fowler Avenue, ENB 118  
Tampa, FL 33620

Engineering Building III (ENC)  
Room 1200  
Phone: (813) 396-9309  
Fax: (813) 974-5250  
Email: bbatson@usf.edu
Web development and design for equity stake in Prodagi.com

Prodagi LLC
Prodagi.com
Launched in April, 2013

We are looking to bring a dedicated and driven individual onto our team who is willing to take ownership in Prodagi.com and be a part of something big.

A Few Specifics:
• Part-time position with goals set to accommodate your schedule
• Design and development work to improve upon current functionality
• Take existing parse database and transfer to MySQL, with an ultimate goal of operating on a MongoDB platform with an elastic search capability
• Possible transfer to Python program language
• Social-media implementation

Create your own future and put your mark on a company you can call your own.

Our Purpose: To be the premier platform giving the nation's elite high school athletes a safe forum to share their unique experiences with the fans, colleges, and organizations that will greet them after graduation.

Applicants must:
- Demonstrate integrity, passion, attitude, and work ethic
- Proficient in programming languages such as JavaScript, Java, and HTML.
- Server, mySQL and PHP experience
- Experience in mobile websites
- LOVE SPORTS
- Able to pass a background check, have a valid driver's license, and dependable transportation.


To apply, email us your resume at Admin@Prodagi.com.
Title: Computer Programmer for Remote Sensing Applications

Job Description:

Dewberry is currently seeking a Computer Programmer to become part of our Remote Sensing Services group in Tampa, FL. The individual will develop software for remote sensing applications, primarily airborne LiDAR and Photogrammetry. The candidate will also develop desktop, web-based, and GIS applications on engineering and technology projects for federal and state agencies. This is an opportunity to work with the latest technology in the industry and develop oneself professionally by working with a team of established professionals.

Responsibilities:

- Support the software development of Dewberry’s Remote Sensing Processing Software by incorporating new algorithms and tools for processing LiDAR and other remote sensing data.
- Advance the processing of remotely sensed data by developing customized computer code, GUIs, and scripts for more efficient workflow.
- Design and develop front-end, back-end, as well as web-based GIS applications
- Conduct analysis, tests, and gather technical requirements for developmental purposes.
- Assist with implementation by providing support and training to staff.
- Support data management of large datasets.
- Prepare technical documents and reports for management.

Required Skills and Experience:

- Bachelor's or Master's degree in Computer Science, Engineering, Remote Sensing, or a closely related technical discipline. Candidates working towards their degree will also be considered.
- Strong proficiency in computer programming (Python and C/C++ are required)
- Experience in signal / waveform processing and developing software for very large datasets (parallel programming) is a big plus.
- Knowledge of LiDAR remote sensing and GIS programming experience in the ESRI environment is a plus.
- Strong communication and collaboration skills.
- Must be able to work in the US without need to sponsor a visa.
- Although this is a full-time position, a candidate working part-time initially (until graduation) will be considered.

Interested candidates can contact Amar Nayegandhi at anayegandhi@dewberry.com or call 813 421 8642.
For more information on Dewberry, please visit www.dewberry.com
Lockheed Martin Information Session March 4th

Please join Lockheed Martin for an Information Session to learn about fulltime hires in Software Engineering

Who:               Lockheed Martin
Date:               Tuesday, March 4th
When:              6:00 pm - 7:00 pm
Where:            CUT 202, Center for Urban Transportation Research (west of ENB)
Positions:         Fulltime positions
Level:              BS/ MS degrees
Majors:            Computer Science
                    Computer Engineering
                    Math, Science, Related fields
GPA:               2.8 minimum
Languages:     Knowledge of C++, JAVA
Website:          http://www.lockheedmartin.com/careers
Job ID:            46767 (fulltime) view in USF Career Services Employ-A-
Other:              US Citizens/Perm. Residents
                    Bring your resume
                    Refreshments will be available
RSVP:              ecferman@usf.edu
ProV International is a Global Systems Integration Company headquartered in Tampa, Florida with offices in the US, Philippines, UK, Netherlands, Sweden, & India. ProV offers top class end-to-end IT consulting services while providing strategic and innovative solutions to customers globally. ProV International’s service comes with 24/7 technical support guaranteeing cost-effective results, uninterrupted operations and faster turnaround by providing efficient and constant access for clients located across the globe. For more information please visit us at www.provintl.com.

ProV is now seeking talented IT professionals who would like to join our team. We are presently recruiting college grads with a Master’s Degree in any Computer Science or related field. We currently have several clients who are in need of Hadoop Consultants but there is a lack of available resources in the market. In order to help fulfill these needs, we will be conducting a FREE 3 week Hadoop Developer Training course at our corporate office in Tampa, FL starting March 10, 2014.

Hadoop is the driving force behind the growth of the big data industry. You’ll hear it mentioned often as it has created a lot of buzz in the IT industry. Hadoop is a Java-based programming framework that supports the processing of large data sets in a distributed computing environment. It brings the ability to process these large data sets in a more cost effective way. This is a great opportunity to learn a new program and build a successful career in IT services. Professionalism, Great Personality and a Willingness to learn is a must!

~ Class size is limited to 6-8 people so that learning can be personalized to each individual's need
~ Accommodations will be provided for the entire duration of the training
~ Training Class will start on March 10, 2014 and will complete on March 28, 2014
~ There will be a live trainer present who is an expert in Hadoop Development
~ Training will include comprehensive course work with hands on labs
~ Mock interviews will be done upon completion of the training to help prepare candidates for real interviews with our clients and vendors
~ Resume preparation will begin during the last week of training
~ Our experienced marketing team will work diligently until you're placed on a project post training
~ No previous Hadoop experience is necessary to attend the training but some prerequisites for the training include the following:
  • Master’s Degree in Computer Science or related field
  • 2 years Hands On Java Programming experience
  • Must be willing to work anywhere within the US geographical area at client base locations

If interested, please apply through this posting or email your resume to: arleaser.simmons@provintl.com immediately as class space is limited!

*Note: We sponsor H1B visas.

Diversity creates a healthier atmosphere: equal opportunity employer M/F/D/V.
Open Source Developer position

WebFirst, in Rockville, MD, a leader in web & mobile development, is seeking a talented open source developer – working with technologies such as PHP/MySQL and Drupal. We are looking for a strong student who will be graduating this spring. Would you know of a student who has a hunger for learning, strives for the best and seeks a career with a top-notch employer? We are an award-winning, established company. We work on innovative solutions in mobile, content management, social media and data visualization for federal agencies and private sector clients. We have a social mission as well – to help our health, education and international development clients. You can see our portfolio here: www.webfirst.com/gov.

For the right candidate, we are offering:
- Starting salary of $90,000 / year
- Paid relocation to the DC area ($5,000)
- A Training Stipend of up to $2,500
- We ask for a 2 year commitment to working with our company

In addition to a generous compensation package, profit sharing, & 401K plan, we offer a comprehensive benefits program and a strong commitment to work-life balance through company events and flex time.

Our preference would be work to with you directly as opposed to going through your career services department, since you know your students best.

This is an invite-only opportunity as we are seeking only the best and brightest. If you know of a star student, please have them forward their resume to spatel@webfirst.com. We look forward to seeing your talented students.

All the Best,

Sanjay

Sanjay Patel, M.S. Computer Science · President · WebFirst, Inc. · www.webfirst.com · twitter · facebook · http://www.linkedin.com/in/sanjayvpatel
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