February 4th Newsletter

To: All CS Undergraduates
From: the CS Academic Office

CS Undergraduate Newsletter
February 4th Newsletter

Advising and Course Information

* Advising hold for ALL CollegeofEngineering Students from January 28th through March 7th

* New Requirements Flowcharts on the CS Undergraduate Programs Wiki * "Declaring" your Technical Track (and Concentration) or Application Sequence * Graduating in May?

* Information about transferring into the CollegeofBusiness -- See Below * UIUC Department of Human Resource Education Open House and Info Session, Tuesday February 5th, 6-7:30 pm, EducationBuilding 3rd-floor Lounge

Scholarships, Research, Conferences and other Opportunities

* IGEM Synthetic Biology Competition team looking for CS majors - Information Below.

* Summer research at the UIUC's Information Trust Institute (ITI) - funding opportunities available. The deadline to apply is February 29* http://www.itl.illinois.edu/itl_funding_opportunities.html

* DOD Scholarships in Information Assurance (Security) -- deadline February 15


* Apply for the Andrea Culumber Scholarship, awarded by the Engineering Council -- applications are due February 8, 2008 at 5:00 PM

* The CS Department's Student Awards Committee is now taking applications for the 2008 Computer Science Student Awards. The deadline for applications is 5 p.m. Friday, February 15, 2008.

* CRA-W DMP & CDC DMP SUMMER 2008 RESEARCH INTERNSHIPS Application Deadline February 15, 2008

* Jack Kent Cooke Scholarship

* Computational Transportation Science IGERT program at the University of Illinois at Chicago is currently accepting applications for our next round of $30,000 PhD Fellowships. See below for more details.

* NationalCenter for Women in Information Technology (NCWIT) Annual Conference - May 14th-May 15th 2008 - Volunteers will be needed!!

* ChicTech Retreat - April 19th,20th 2008 - Volunteers/Counselors will be needed!!! Also, if interested in assisting with High School visits during the fall semester, please contact Samantha Chan at sdchan@uiuc.edu.

* The EYH office (Expanding Your Horizons through Math, Science, and Technology) at ISU holds a one-day event in the spring. The event will be held on Saturday, April 5, 2008

* The 1st Annual Women In Project Management Conference, Thursday, June 12, 2008 & Friday, June 13, 2008, Columbus Ohio

Career Info: Jobs, Internships, Corporate Events, Contests and other opportunities

* Summer Internships with Corning in New York

The Information Technology (IT) summer intern positions are listed on the corning.com website under job code # 15656. http://www.corning.com

* Virtual Cisco Information Sessions (2/4, 2/6, 2/12, and 2/19)

In case you aren't able to attend Cisco's presentations at SiebelCenter on Monday, February 11, Cisco is conducting a series of virtual information sessions on the following dates: Feb 4, Feb 6, Feb 12 and Feb 19. All of these sessions will be held at 7:00 PM CST using WebEx. - See registration information below.

* Morgan Stanley Corporate Days at UIUC, February 6-7, 2008 - see http://www.uiuc.edu/goto/morganstanley

* Electronic Arts: Open Full-time/Internship positions, on campus interviews: Monday, 2/4 -- See details below

* Engineering Convergence: Network with Engineering Alumni on 2/12
Looking for a job: Apply now! The Undergrad is going 24 hours in January! The Undergraduate Library is seeking applicants for the position of Student Assistant in its Information Services unit who are interested in developing professional and leadership skills. Applicants should be willing and able to work from 12-20 hours per week in a fast-paced environment.

Interested in working on a research project? with the Knowledge Representation and Reasoning group - See Below

GE Healthcare in Barrington, IL*. Program known as STP, or Software Technology Program, is looking to recruit December 07 and May 08 graduates for full-time positions.*

Lectures, Symposia, etc.

COMPUTER SCIENCE COLLOQUIUM

UCSC MASC Group Thermal and Processor Pruning Work

Jose Renau

Computer Engineering -- University of California*, Santa Cruz

February 11 (Monday), 2008 at 4:00 p.m.

1404 SiebelCenter for Computer Science

ADVISING AND COURSE INFORMATION

* Advising hold for ALL College of Engineering Students from January 28th through March 7th

After January 28th, all undergraduates in the College of Engineering will have an advising hold which will prevent them from making any changes to their schedule. The Engineering College has sent three emails over the last two weeks notifying students of the hold and providing procedures for dropping courses. Here is the text of that email:

Engineering Students:

If you want to change your schedule in any way between January 29th and March 7th, you MUST read this e-mail thoroughly to find out how to do it.

As of January 29th, all Undergrad Engineering students will have an Advising Hold placed on their accounts. We place these holds each semester after the "Add Deadline" in order to prevent you from dropping certain restricted courses, due to a College of Engineering policy that requires Dean's approval (or in some cases your Home Department approval) for these course changes.

Between January 29th and March 7th you will need to go to the following web portal to do all schedule changes while this hold is in effect, which includes adding, dropping, changing sections, or changing credit hours for a course.

URL: https://engineering.uiuc.edu/request_course_change/

All schedule change requests that are not restricted will be processed within a few days of your request. If you want to see if your request has been processed yet, you can visit Banner...it will have your most up to date schedule.

If your request is a restricted one, such as dropping a required course, adding a course late, or going under 12 hours, these are not allowed without approval(s). If you have one of these, you will need to do the following...after you submit the request, the web site will prepare a form that you will need to PRINT OUT. You will then need to get approval on that form from either your Home Department and/or an Engineering Dean (the form will tell you which approval(s) you need to obtain).

DO NOT FORGET to print out the form for restricted requests BEFORE you continue on! You will not be able to go back later to print it out. Follow all instructions given on the form and turn it into 206 Engineering Hall for processing.

Finally, we ask you not to turn in a request that you are unsure of. These cannot be undone easily. Also, do not turn in the same request more than once.

If you have any questions about the policy or the web portal, please contact Engineering Academic Affairs (engrap@uiuc.edu or 333-2280).

* New Requirements Flowcharts on the CS Undergraduate Programs Wiki

Want a quick and easy way to see how you're progressing through the requirements for your major? Check out the new requirements flowcharts site on the Undergraduate Programs Wiki:

https://agora.cs.uiuc.edu/display/undergradProg/Requirements+Flowcharts
**Declaring** your Technical Track (and Concentration) or Application Sequence*

Does your DARS have your Technical Track (for students following the "new" CS requirements) or Application Sequence (for students following the "old" CS requirements) listed? You can "declare" your technical track and concentration or your application sequence by emailing Steve Herzog (smherzog). Please include your UIN and, for the application sequence, the courses you plan to use to satisfy the requirement.

* Graduating in May?

If you plan on graduating in May, you should check your DARS to make sure you're taking care of all requirements. You should see a message at the top of your DARS that says "ALL REQUIREMENTS COMPLETE USING IN-PROGRESS COURSE". If you don't, something's missing. If you can't figure out what that is, check with Steve Herzog (smherzog) ASAP.

Also, if you haven't already done so, be sure to declare your intent to graduate in UI Enterprise Applications (Banner).

* Important Dates for Spring 2008

See the following website for important academic deadlines for the Spring 2008 semester:

http://www.oar.uiuc.edu/current/registration/deadlines_SPRING.html

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* Information about transferring into the College of Business

We are about to enter the spring ICT period for the College of Business. You can find a Business ICT fact sheet that summarizes both processes and more detailed information on our Web site at:

http://www.business.uiuc.edu/undergrad/prospective_students/inter_college.html

Additionally, due to limited staff resources we are not able to schedule appointments with College of Business advisors for non-business students. Instead, we encourage all students interested in transferring into the College of Business to attend one of our informational meetings. At these meetings, students will be provided information on requirements and application procedures and have a chance to ask any questions.

We have 4 upcoming ICT meetings scheduled:

* Tuesday, January 22, 3:00 p.m.: 66 LIB
* Thursday, January 24, 10:00 a.m.: 330 Armory
* Tuesday, April 15, 10:00 a.m.: TBD
* Wednesday, April 23, 2:00 p.m.: TBD

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* UIUC Department of Human Resource Education Open House and Info Session, Tuesday February 5th, 6-7:30 pm, Education Building 3rd floor Lounge

The UIUC Department of Human Resource Education is hosting an open house and information session on Tuesday, February 5th (6:00-7:30 pm). We will provide prospective master's students a chance to learn more about the Human Resource Development program. At the event, we'll discuss program options, hear from current students, talk with recent graduates, and have opportunities for informal discussions. Pizza will be provided.

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SCHOLARSHIPS, RESEARCH, CONFERENCES AND OTHER OPPORTUNITIES

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* IGEM Synthetic Biology Competition team looking for CS majors

I and three professors (Prof Rao (chemE), Prof Golding (phys), and Prof Bhalerao (Ag E)) want to start an iGEM team at Illinois. iGEM is an international competition held annually at MIT. iGEM is a synthetic biology competition. The basic question iGEMers want to answer is: Can biological systems be built from standard, interchangeable parts and operated in living cells?

To develop this question of programmable biology requires a highly interdisciplinary effort, whether it is lab work or computational modelling. Computer Science students will bring a valued thought process and skill set to the table.

Please check out the flier for info on the general information meeting.

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** Summer research at the UIUC's Information Trust Institute (ITI) - funding opportunities available.**
The Information Trust Institute (ITI) at the University of Illinois, Urbana-Champaign, is pleased to announce its summer 2008 program supporting undergraduate research on information trust topics - including security, reliability, safety, privacy, survivability, and correctness. Below is a link to the announcement and solicitation for applications for Undergraduate Research Internship awards for Summer 2008.

The deadline to apply is February 29.

http://www.iti.uiuc.edu/iti_funding_opportunities.html

* DOD Scholarships in Information Assurance (Security) -- deadline February 15

The U.S. Department of Defense is seeking rising junior and senior (third and fourth year) undergraduate and graduate/doctoral students who are interested in full-ride scholarships for concentrated studies in information assurance. Students selected for the program will receive full scholarships. This requires the student to agree to serve one year of service to the DoD, upon graduation, for each year of scholarship received, in addition to the internship identified below. An opportunity also exists for Reserve and National Guard participation.

See ATTACHMENT C and ATTACHMENT H for more details and for the application form. Applications should be turned in to Professor Roy Campbell


Call for Participation

Grace Hopper Celebration of Women in Computing

October 1-4, 2008 Keystone Colorado

Submissions are now being accepted for the eighth Grace Hopper Celebration of Women in Computing Conference.

Submission Deadline: March 16, 2008

As the world’s largest gathering of women in computing, the Grace Hopper Celebration is a series of conferences designed to bring the research and career interests of women in computing to the forefront. Presenters are leaders in their respective fields, representing industrial, academic and government communities. Leading researchers present their current work, while special sessions focus on the role of women in today's technology fields, including computer science, information technology, research and engineering. The technical conference features well known keynote speakers and invited technical speakers, panels, workshops, new investigator technical papers, PhD forums, technical posters, birds of a feather sessions (BOFs), the ACM Student Research Competition and an Awards Celebration.

WE BUILD A BETTER WORLD

This year's theme "We Build a Better World" recognizes the significant role women play in creating and utilizing technology to improve our world.

Submissions on both technical and professional topics are encouraged. The Grace Hopper Conference committee is requesting submissions that reflect the conference theme "We Build a Better World" in the areas of innovation within a company, academia, or individual contribution through social and environmental entrepreneurship. The GHC Committee encourages technical submissions that cross disciplines and other boundaries.

The deadline for all submissions is March 16, 2008

- PhD Forum
- Panels, Workshops and Presentations
- Technical Posters
- ACM Student Research Competition (SRC)
- Birds of a Feather Sessions (BOFs)
- New Investigator Technical Papers

For more information, requirements and deadlines for submission.

KEYNOTE SPEAKERS:

Mary Lou Jepsen, Founder and CTO, One Laptop Per Child

Fran Allen, IBM Fellow Emerita and 2007 Turing Award Winner

CONFERENCE LEADERSHIP:

General Chair - Anne Condon, University of British Columbia

Program Chair - Heidi Kvinge, Intel
The Grace Hopper Celebration of Women in Computing is a program of the Anita Borg Institute for Women and Technology and is co-presented with the Association for Computing Machinery (ACM)

www.GraceHopper.org

* The CS Department’s Student Awards Committee is now taking applications for the 2008 Computer Science Student Awards. The deadline for applications is 5 p.m. Friday, February 15, 2008.

These undergraduate and graduate awards are funded by generous donors in order to reward excellence in scholarship, leadership, and research. Winners will be honored at the annual Awards Ceremony in April.

For more information, including the online application form, please see https://agora.cs.uiuc.edu/x/hSk. A variety of other opportunities are also linked at https://agora.cs.uiuc.edu/display/studentawards.

* Apply for the Andrea Culumber Scholarship, awarded by the Engineering Council

The Culumber award applications are due February 8, 2008 at 5:00 PM. The award can be found at awards.ec.uiuc.edu.

This scholarship is open to Junior students with a minimum GPA of 2.5. There is specific emphasis on demonstrated leadership in an engineering context, outstanding character, creativity, enthusiasm, and encouragement of others in his/her activities.

* CRA-W DMP & CDC DMP SUMMER 2008 RESEARCH INTERNSHIPS

Application Deadline February 15, 2008

The CRA-W Distributed Mentor Program (CRA DMP) and the CDC Distributed Mentor Program (CDC DMP) are highly selective programs that match promising undergraduates with a faculty mentor for a summer research experience at the faculty member’s home institution. This experience is invaluable for students who are considering graduate school, providing them with a close-up view of what graduate school is really like and also increasing their competitiveness as an applicant for graduate admissions and fellowships. With the CDC DMP, an option exists for the research to take place remotely, using collaborative technologies such that the student can remain at his or her home institution with local and remote mentors.

The CRA-W DMP (operating since 1994) seeks to increase the number of women entering graduate studies in the fields of CS & CE while the CDC DMP (launched in 2007) seeks to increase the number of men and women from underrepresented groups entering graduate studies in the fields of CS & CE.

Funding for the student consists of $6000 for the summer (10 weeks), plus relocation travel assistance when appropriate. Additional funds may be available to support student conference travel, either during the summer or afterward, and for outreach activities promoting the DMP.

A common On-line Application for the CRA-W DMP and CDC DMP (students and faculty mentors can apply to one or both programs), more information about the programs, and webpages authored by previous participants are available at: http://parasol.tamu.edu/dmp/

Application Deadline February 15, 2008

Awards Announced: mid-March 2008

For more information about the DMP consult the DMP webpages

http://parasol.tamu.edu/dmp or contact the DMP Co-Coordinators at dmp@cs.tamu.edu

* Jack Kent Cooke Scholarship

If you are planning to attend graduate school this fall (in any academic or professional field, including business, law or medicine), but have concerns about being able to afford it, consider applying for the Jack Kent Cooke Scholarship.

The Jack Kent Cooke Foundation is looking for students of exceptional promise in the areas of academic achievement, leadership/public service, and critical-thinking ability, who have shown a will to succeed but whose financial situation might prevent them from entering and completing graduate or professional education. The scholarship may be used for study in any field, at any accredited university in the United States or abroad. Scholarships are open to students from all academic backgrounds, but the student should also demonstrate an appreciation for the arts and humanities. The program awards up to $50,000 annually for up to six years. Applicants must have a cumulative 3.5 GPA or better. Graduating seniors or college graduates who are enrolling in graduate school within five years of completing an undergraduate degree are encouraged to apply.

The University of Illinois may nominate up to two students for the Jack Kent Cooke Scholarship. Currently, a University of Illinois alumna is using her Jack Kent Cooke Scholarship to cover the full costs of Ph.D. studies in California. We are eager to assist other potential Illinois applicants through this process.
The campus deadline is set for Wednesday, February 6, so applicants should begin soliciting letters of recommendation soon.

Additional information about the award may be found at:

http://www.ips.uiuc.edu/scholarship/JackKentCookeprocess.shtml

* Computational Transportation Science IGERT program at the University of Illinois at Chicago is currently accepting applications for our next round of $30,000 PhD Fellowships and are especially hoping to generate interest from talented computer science students. Students are not required to have already earned a Masters to be eligible for these fellowships, although US citizenship or permanent residency is required. Please see the attached brochures for more information.

* National Center for Women in Information Technology (NCWIT) Annual Conference - May 14th-May 15th 2008 - Volunteers will be needed!!!

NCWIT Conference

When: May 14-15th

Where: UIUC

Contact: Sonya Harris (lharris2@uiuc.edu)

The mission of the National Center for Women & Information Technology is to ensure that women are fully represented in the influential world of information technology and computing. And they are holding their conference here at UIUC!! We're looking for volunteers to help out this event. This is a NATIONAL event and it will favor highly for our Department to host this event. If you're interested, contact Sonya and more information is to follow.

"Advancing Computing from Multiple Disciplines" - University of Illinois at Urbana-Champaign

Join us for a discussion of how science and engineering disciplines are pushing the frontiers of computer science today. Our distinguished speakers will address how their research offers exciting, grand challenges with the potential to change the image of computing to attract top talent to the field. Confirmed speakers include:

Mae Jemison, M.D.
Former NASA astronaut and founder, The Jemison Group, Inc.
The first African-American woman in space, Dr. Jemison now focuses her company's projects on the beneficial integration of science and technology into our everyday lives.

Richard M. Murray
Thomas E. and Doris Everhart Professor of Control and Dynamical Systems, Division of Engineering and Applied Science, the California Institute of Technology

Dr. Murray's research is in the application of feedback and control to mechanical, information, and biological systems.

Lydia E. Kavraki
Noah Harding Professor of Computer Science and Bioengineering, Rice University; Graduate Program in Structural and Computational Biology and Molecular Biophysics, Baylor College of Medicine

Dr. Kavraki's research contributions are in physical algorithms and their applications in robotics, as well as computational, structural biology and bioinformatics.

* ChicTech Retreat - April 19th-20th 2008 -.

When: April 19th-20th

Where: CS Department

Contact: Samantha (sdchan@uiuc.edu) or Sonya (lharris2@uiuc.edu)

ChicTech is an outreach initiative started to engage high school girls in computer science. The program is a collaborative effort between the CS department and Women in Computer Science (WCS).

Last semester, some of you expressed interest in doing demos for the ChicTech Technical Ambassadors Competition Retreat Weekend 2008. The Retreat will be from April 19th to April 20th but we only need demos for the afternoon of the 19th. If you are still interested, please send Sonya an email with the subject of your project (assuming that that is what you will be demoing).

We will contact you again in April with details. The demo should be no longer than half an hour. We will also need a 3 or 4 sentence description. We are not sure at this moment whether each demo will have more than one session but hopefully after your responses, we will be able to determine a schedule.
Also, if you are not able to do a demo but would like to be a panelist on the 20th, let Sonya know. We are still in the process of deciding a topic but it will definitely revolve around computer science.

We are look forward to your projects!

The EYH office (Expanding Your Horizons through Math, Science, and Technology) at ISU holds a one-day event in the spring to promote an increase in the number of young women who pursue education and careers that involve math, science, and/or technology. The day revolves around three hands-on workshops, during which participants in grades 5-10 have the opportunity to learn from women experienced in a career based in science, math, or technology.

If you and/or your group are interested in leading a workshop for this event, please contact Sonya Harris (lharris2@uiuc.edu). Cinda and/or Prof. Pitt can train female students on possible hands-on activities.

The event will be held on Saturday, April 5, 2008 so you will have plenty of time to plan an exciting hands-on activity for the girls. You can also get more information regarding the event by going to their website at www.eyh.ilstu.edu

http://www.eyh.ilstu.edu

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1st Annual Women In Project Management Conference

Date: Thursday, June 12, 2008 & Friday, June 13, 2008

Location: The Columbus Athenaeum

(32 North 4th Street, Columbus, OH)

(4th Street between Broad & Gay)

Time: 8:30-5:00 (8-8:30 registration/breakfast)

(Lunch and all materials included)

For more information, including a list of speakers, see the following:

https://www.projectmanagementresourcegroup.com/1st_Annual_WIPM_Conference.php

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CAREER INFO: JOBS, INTERNSHIPS, CORPORATE EVENTS, CONTESTS AND OTHER OPPORTUNITIES

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* Summer Internships with Corning in New York

The Information Technology (IT) summer intern positions are listed on the corning.com website under job code # 15656. http://www.corning.com

They are looking for undergraduates (sophomores) who are interested in pursuing a degree in Information Technology. Their intern positions will be in the following IT organizations:

- Application Services - Web Services
- Application Services - Supply Chain Services
- Application Services - Enabling Technologies
- Infrastructure Field Services

Any interested undergrads should go to website to fill out the online application. Interested underrepresented students encouraged to apply.

Any questions, please contact Kenneth C. Parker at ParkerKC@Corning.com

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* Virtual Cisco Information Sessions (2/4, 2/6, 2/12, and 2/19)

In case you aren't able to attend Cisco's presentations at SiebelCenter on Monday, February 11, Cisco is conducting a series of virtual information sessions on the following dates: Feb 4, Feb 6, Feb 12 and Feb 19. All of these sessions will be held at 7:00 PM CST using WebEx. Each event will include a company overview presentation as well as information on our full-time and internship opportunities for Engineering and Computer Science students.

To register for an Information Session:
February 4, 2008 - 7pm CST
Morgan Stanley Corporate Days at UIUC, February 6-7, 2008 - see http://www.uiuc.edu/goto/morganstanley

Morgan Stanley is here for their Corporate Days, February 6-7, 2008 and welcomes you to their series of luncheons, technical talks, information sessions, and leadership dinners. For more information, please contact Karen Hyman, kkhyman@uiuc.edu, 217-244-4496 and visit http://www.uiuc.edu/goto/morganstanley

Please visit their booth during the Engineering Career Fair, at the Illini Union on February 7, all day.

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**EA: Open Full-time/Internship positions**

**On campus interviews: Monday, 2/4**

Please apply through the symplicity system: uiucengineeringjobs.com ASAP!

**Job# 1: Software Engineer - Game Developer (Internship/Full time)**

Video Game Engineering is intellectually demanding work. Our software engineers are faced with daily challenges that involve physics (from collision detection to complex physical reactions), advanced rendering techniques (from complex 3D math to hardware shading), artificial intelligence (from path finding to scripting), optimizations (from complex algorithms to hardware specific changes), etc. and we need your help to come up with creative solutions.

Specifically, we are seeking Software Engineers who will be responsible for writing specific or multi-purpose code for areas such as:

- Game Mechanics: AI, player control, animation systems, physics, and scripting systems
- Core Engine: Graphical rendering, networking, user interface, memory & performance optimization on cutting edge computer hardware
- Tools and Libraries: World editors, video & audio tools, software performance analysis systems, database systems, and general purpose game development libraries
- Online Games: Multi-tiered web environments, web applications, tools, and system infrastructure

**Required Skills:**

- Must have 1 year experience with C++ or Java (for online), experience in C, Assembly, and C# also helpful!
- Must have 1 year experience with object-oriented design and implementation.
- Must have 6 months experience with multithreaded processing

**Preferred Skills:**

- Good communication and writing skills.
- Excellent problem solving skills.
- Self-starters who can work with others in a team-oriented environment as well as independently.
- Strong math skills.

**Education:**

Bachelors, Masters, or PhD in Computer Science, Math, Physics

**Job# 2: Software Engineer - Web Developer (Internship/Full time)**

Want to be at the stepping stone for changing the way we play online games on the Internet? Want to work and play with new web technologies? Want to help people network through online gaming communities? Looking to be creative with your technical skills and to stand out from the crowd?

Then you've come to the right place! Find out what makes Pogo.com the #1 online gaming site on the Internet! We're looking for some talented and self motivated Java coding experts, database gurus, and simply put, architects of the future of online gaming.

**Job responsibilities:**

- Design and optimize the Pogo site by making architecture and framework improvements
- Work with backend database layer communications
- Client side web UI development
- Collaborate with other engineers to integrate complex systems and services
- Work with designers and producers to make Pogo more attractive to new users by implementing new features and ideas
- Add community and social networking features to make Pogo more fun: implementing new Web 2.0 technologies, micro-transactions, avatars, badges, challenges, etc.

**Technical skills and experience:**
Excellent Java and OOP skills (required)
Experience with database interaction, web applications, client/server architecture
Nice to have: Exposure to Struts, JSP, MVC, Ajax, Flash
Nice to have: knowledge of design patterns and UML

Bachelors, Masters, or PhD in Computer Science

Engineering Convergence: Network with Engineering Alumni on 2/12

Engineering Student Alumni Ambassadors and The College of Engineering are hosting a career networking event for alumni and students to meet in an informal, non-recruiting setting. This dinner and discussion will provide an opportunity for engineering students to personally interact and build networks with engineering alumni. The evening is guaranteed to be exciting, informative, and entertaining for both students and alumni.

“engineering convergence” will be held on Tuesday, February 12th at the Alice Campbell Alumni Center Ballroom from 5:30 p.m. to 8:00 p.m.

Registration for this event is free, but required. Registration information is posted on the College of Engineering Group on Always Illinois. www.alwaysillinois.org

Position Announcement Undergraduate Library Student Assistants

Looking for a job: Apply now! The Undergrad is going 24 hours in January!!!!!

The Undergraduate Library is seeking applicants for the position of Student Assistant in its Information Services unit who are interested in developing professional and leadership skills. Applicants should be willing and able to work from 12-20 hours per week in a fast-paced environment.

Duties:
Perform multiple customer service functions including, but not limited to, charging, discharging and renewing books, media and technology items, collaborate with co-workers on projects, work with and troubleshoot technology, learn to navigate complex databases, maintain collections, and master general front desk management responsibilities.

Acquired Skills:
Student Assistants will be educated in various aspects of team work, leadership, professional work ethics, records management, statistics keeping, conservation and preservation, and self-evaluation. They will develop verbal and written communication skills. In addition, Student Assistants will also have the opportunity to shape workflow and policies, learn professional discipline such as reliability and punctuality, and gain a greater understanding of the library and information profession.

Qualifications:
Required - Exceptional customer service; attention to detail; excellent verbal and written communication skills; reliable and punctual.

Additional Details:
Beginning January 14, 2008, the Undergraduate Library will be open 24 hours from Sunday through Thursday and from 8am - 10pm on Fridays and 10am - 10pm on Saturdays.
We are hiring students who will be able to work 12 -20 hours per week. Night owls welcome!
Pay rate: $7.50/hr from 8:00am - Midnight and $9.50/hr from Midnight - 8:00am.

To Apply:
To apply, please send application to the Undergraduate Library, Attn: Debora Pfeiffer, 1402 W. Gregory Drive,Urbana,IL61801. Email applications to: dpfeiffe@uiuc.edu. Applications are taken on a rolling basis until all positions are filled.

Application
http://www.library.uiuc.edu/administration/human/pdffiles/studentapp.pdf

* Interested in working on a research project?

I am Postdoc associated with the Knowledge Representation and Reasoning group and am looking for motivated student(s) that would be interested in working on neuroscience-motivated algorithms.

We have developed a new classification algorithm and will be comparing it with current methods. Projects include: comparisons between classifiers, development/testing of appropriate machine learning algorithms, merging models and evaluation of ‘recognition logic’. Some relevant coursework in these aspects is preferred.
LECTURES, SYMPOSIA, ETC. COMPUTER SCIENCE COLLOQUIUM

(AND GRADUATE SEMINAR)

UCSC MASC GROUP THERMAL AND PROCESSOR PRUNING WORK

Jose Renau
Computer Engineering
University of California, Santa Cruz

February 11 (Monday), 2008 at 4:00 p.m.
1404 SiebelCenter for Computer Science

Jose Renau will present the work that his group does at UC-Santa Cruz. He will present the current work on real systems infrared thermal measurements and processor pruning.

UCSC MASC Group Thermal Work:

In order to ameliorate some of the difficulties associated with the validation of power and thermal models, this work proposes an infrared measurement setup to capture run-time power consumption and thermal characteristics of modern chips. We use infrared cameras with high spatial resolution (30x30um) and high frame rate (125fps) to capture thermal maps. We employ genetic algorithms on the maps to generate a detailed power breakdown (leakage, dynamic, and clock) for each processor floorplan unit. As an example of applicability, we use the obtained measurements to validate CACTI and HotLeakage power models, and propose extensions to existing thermal models to increase accuracy.

UCSC MASC Group Processor Pruning Work:

The proposed methodology attempts to improve efficiency by helping designers eliminate extraneous functionality in existing designs, while ensuring forward progress in program execution. The designer can then systematically "prune" the HDL code-base of infrequently used functionality in an effort to reduce power, increase frequency, and reduce area. Forward progress can be ensured using previously proposed techniques. Using this methodology, we exploit increased complexity to expose new avenues for optimization. By applying this technique to an Alpha EV6-like processor, it becomes apparent that significant improvements can be realized. By removing 3% of infrequently used functionality from the optimistic core an increase in frequency of 25% can be realized. Taking into account the replay overhead triggered by the removed functionality, the proposed architecture is still able to achieve a 12% overall speedup.

Bio:

Jose Renau (http://www.soe.ucsc.edu/~renau) is an assistant professor of computer engineering at the University of California Santa Cruz. He earned his Ph.D. degree in Computer Science from the University of Illinois at Urbana-Champaign. His research focuses on computer architecture, including design effort and complexity estimators, thermal modeling process variability, chip multiprocessors, thread level speculation, and FPGA/ASIC design.