

Cornell SWEMAIL Academic Year 2008-2009  
Week of October 5, 2008  
Society of Women Engineers

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For a complete calendar of Cornell SWE's Events, visit us at:

<http://swe.cornell.edu/calendar.html>

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#### SWE Events:

##### 1. Seeking a Finance Chair for 2008-2009

The finance chair is responsible for managing SWE personal and banking accounts. The chair also monitors purchase requests and passes those requests on to the presidents. In addition, the finance chair also prepares reimbursements for members. Lastly, the finance chair keeps in contact with companies on financial transactions.

Accounting experience preferred, but not required.

Contact Alice Chuang (acc65), current Director of Finance, for finance application.

##### 2. Take Pictures at SWE Events!

Hi everyone,

I am a publicity chair for SWE this year and am responsible for writing a newsletter about the various SWE events this semester. If any of you happen to volunteer at an info session or attend any other interesting event, I would really appreciate it if you took a camera with you! Please email me (ng262) any pictures you may have or just write me a sentence or two about what happened and what you did. This would be a great way for me to keep up with what everyone is doing for SWE! Thanks a lot!!

Natasha

##### 3. SWE's 5k!

SWE is holding its annual 5k run Saturday October 18th from 11am-1pm. Guest performance by CallbaXX A Cappella and prizes totalling over \$100 in value will be given out to top three runners! This is a great way to network with SWE members and nonmembers. Men are welcome as well! All proceeds will go to Communities in Schools, a drop-out prevention organization.

Preregistration fee is \$10, or \$15 if you would like a shirt

Registration the day of the race is \$12, or \$17 if you would like a shirt.

Email [sgv3@cornell.edu](mailto:sgv3@cornell.edu) for more information or pick-up a registration form in Olin on SWE's corkboard and return it to the DPE office.

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## Research, Internship, Training, & Employment

### 4. Info Sessions!

Green Hills Software, Inc.

October 6

6pm

101 Phillips Hall

CS, ECE

FactSet Research Systems Inc.

October 8

7pm

101 Phillips Hall

CS, ECE

MicroStrategy

October 19

5-7pm

101 Phillips Hall

AEP, CS, BEE, ChemE, ECE, CEE

Carrier Corporation

October 23

6-8pm

Upton Lounge

OR, ECE, ChemE, CEE

Epic Systems Corporation

October 23

7-8pm

Phillips Lounge

All Majors

VistaPrint

October 28

6:30pm

B11 Kimball Hall

AEP, CS

Corning Inc.

October 29

6pm

B11 Kimball Hall

MSE, ChemE, ECE, OR

## 5. Merrill Lynch Panel for Summer Programs

Merrill Lynch

October 15th, 6pm

Lewis Auditorium, Goldwin Smith Hall

Three panelists, a senior at Cornell that just accepted her offer, an analyst and an associate (who are both Cornell alum), will speak about the summer program and the working environment. Come find out about opportunities with Merrill

Lynch!

Pizza will be served!

## 6. Greetings from Samsung Electronics!

I am very pleased to pass along the following opportunity for the students of Cornell University to apply for the internship and full time positions at Samsung Electronics.

Samsung Electronics, one of the world's leading companies in its field, is currently looking for talented young graduate students from Cornell Engineering School for the following positions: Electrical Engineer and Software Engineer/Developer.

We are now looking for applicants who are:

- motivated by challenging work
- looking for new and exciting opportunities in their future career
- interested in starting their career in a dynamic global setting
- masters and PhD students pursuing their degree in Electrical/Electronic Engineering, Computer Science, or another related field

Qualified applicants will spend several weeks of internship training at the beautiful campus of Samsung Electronics in South Korea, and will have the opportunity to work with talented individuals from all over the world.

Internships will be followed by full-time offers upon successful completion. For PhD candidates, a technical seminar will replace the internship training.

Detailed information regarding this opportunity will be announced during the campus information session and on-campus pre-interviews which will take place on 10/3/08, Friday from 4:00 pm at Terrace Lounge, Statler Hotel. (\*Please prepare a hard copy of your resume to the information session.)

We will be giving out complimentary gifts at the end of the session. Food and refreshments will be provided as well. Please RSVP (with your resume if available) at [e.recruit@samsung.com](mailto:e.recruit@samsung.com) if you plan to attend.

Thank you for your interest, and we look forward to meeting you soon.

Sincerely,

Samsung Electronics Recruiting Team

Hongmin Moon

Recruiting Manager  
Samsung Electronics Co., Ltd.  
+82) 2-728-4216 [7-11pm (ET)]  
e.recruit@samsung.com

#### 7. ConocoPhillips interning Environmental Engineers

ConocoPhillips will be on campus October 9th to interview for summer internships in the Environmental Engineering discipline. An interest in the Environmental function is the most important requirement, many disciplines will be considered (Chem. Eng., Civil Eng., Env. Eng., Chemistry, Life Sciences, etc.) We still have some interview slots open so if you are interested connect with the Career Center to get signed up. An information session will be held the previous night at 5:30 in Hollister Hall B-14. All are welcome.

Keith Coffman  
p. 832.486.3902  
c. 281.799.0624

#### 8. Little Known Co-op Fact

FACT: Any employer can participate in Co-op.

Did you have an excellent summer internship? Ask the employer to hire you back as a Co-op.

Are you LOOKING for your first "REAL ENGINEERING EXPERIENCE"? Over 60 employers will interview Cornell Engineering students for Co-op positions in February. You can also meet with a staff member to discuss strategies for finding the Co-op employer of your dreams.

Attend the Co-op Registration Meeting on either October 8 or 22 to learn how to participate in the Co-op Program! Both meetings will be held in Kimball B11 at 4:45 p.m. and will last 1 hour.

We hope to see you there!  
Christa & Amanda  
[www.engineering.cornell.edu/coop](http://www.engineering.cornell.edu/coop)

#### 9. Chappella Mayweather: Pepsi's Campus Development Program currently seeking 2009 graduates!

Greetings!

My name is Chappella Mayweather, Sr. Talent Acquisition Specialist with The Pepsi Bottling Group. In my current role with The Pepsi Bottling Group, I am tasked with sourcing high caliber talent and would greatly appreciate it if you

would make 2009 graduates aware of The Pepsi Bottling Group's Sales and Operations Development Programs. Since its' inception in 2000, PBG has hired more than 800 undergraduate students through these programs. While my focus is on staffing our northeast region, both programs are national.

We are currently seeking 2009 graduates with an interest in Sales or Manufacturing Operations careers (related internship experience preferred). Please advise interested candidates to apply via [www.pbgjobs.com/campus](http://www.pbgjobs.com/campus).

Warm regards, Chappella Mayweather, Sr. Talent Acquisition Specialist  
The Pepsi Bottling Group

View discussion:

<http://www.linkedin.com/e/ava/120156/51672/add-qa-disc-cnhOon0JumNFomgJt7dBpSBA/>

#### 10. Morgan Stanley: Training Program Job

**Technology Training Program:** The Technology Training Program is held twice a year, in February and August, and is designed to develop highly-skilled and motivated technologists. Technologists are recruited globally for a particular office - New York, London, Hong Kong, Tokyo, Budapest, Shanghai or Mumbai. The program curriculum includes intensive technology training in application development or computing infrastructure, orientation to Morgan Stanley, an overview of the Securities Industry, exposure to senior managers, and professional skills workshops. Trainees spend the last three to four weeks of the program on projects addressing real business needs. The projects provide a smooth transition to future work groups. Locations in North America include New York (Manhattan, Westchester), Illinois (Oakbrook), New Jersey (Princeton), and Montreal (Canada).

**Application Development:** For Computer Science, Computer Engineering, Electrical Engineering, Mathematics, Physics, and related technical disciplines. The emphasis is on design, architecture and rationale with the intention of developing excellent design and programming skills as well as developing skills to build, integrate, deploy, and extend software systems to support our business. Curriculum includes work in C++, Java, Perl, C#, object-oriented analysis and design, .NET, Linux/Unix, Windows, relational databases, web technologies (including RIA), middleware, XML/SOAP, messaging, systems architecture, systems integration and Firm-specific tools.

**Computing Infrastructure:** For Computer Science, Computer Engineering, Electrical Engineering, Mathematics, Physics, and related technical disciplines. The emphasis is on developing excellent engineering, operations, and client skills to support the global enterprise infrastructure for the Firm. Curriculum includes computer fundamentals, networks, databases, proprietary systems, hardware, Linux/Unix and Windows, middleware, systems engineering,

virtualization, automation, and systems management and administration. Qualifications: Bachelor's or Master's degree. Candidates should possess excellent problem-solving and analytic skills, outstanding academic performance, strong communication skills and the ability to work with others. Successful candidates must also demonstrate a record of success in summer internships, co-ops and extracurricular activities. Consideration for our training program requires English proficiency, a minimum GPA of 3.0/4.0 (United States) or Class degree 2:1 (United Kingdom) or equivalent in Europe and Asia.

#### 11. Morgan Stanley: Technology Summer Job 2009 Technology Summer Program

Technology Summer Program Overview: The 10-12 week Technology Summer Program is designed to develop highly motivated junior technologists who partner with the business units to solve complex problems through the appropriate use of technology.

The program commences with an introduction to the securities business and the Morgan Stanley Technology division. An overview of the Morgan Stanley technical environment, systems and infrastructure is provided. Throughout the program, Summer Interns may enroll in additional on-site training classes to sharpen their skills in the technologies relevant to their internship.

A weekly speaker series allows Summer Interns the perfect forum to learn and discuss emerging trends and developments in technology and finance with senior managers representing the Firm. Smoothing the transition from classroom to the corporate environment, Summer Interns are paired with Morgan Stanley technologists who serve as mentors. In many instances, mentor relationships continue well beyond the end of the program. Moreover, frequent social activities throughout the program allow for networking opportunities with Technology officers, associates and peers.

Duties and Responsibilities: Technology Summer Interns are recruited and placed in a specific development or infrastructure team for the duration of the internship. They solve business problems that are unique to a market leading institution using innovative technology. Over 50,000 employees and many customers need easy access to our backend platforms. Our software is developed on Windows, Unix and Linux, using Java, C++, C# and Perl. Our developers leverage third-party infrastructure as well as infrastructure developed in house -- these include relational databases, global XML/SOAP messaging infrastructure, high-availability clusters, and massively scalable distributed systems. Some projects of our former interns include working on our enterprise portal, wireless access, or components of our many trading and risk reporting systems using various technologies such .NET, JSP, Java Servlets and SOAP. Summer Interns receive an invitation to interview for a full-time position as a Morgan Stanley technologist in the Technology Training Program. Summer Interns who have excelled in the program but will not be graduating in the upcoming year may be invited to participate in the following year's summer

program. Ultimately, the Technology Summer Program provides a solid foundation on which to build a career in technology at Morgan Stanley. Qualifications: BS and MS in Computer Science, Electrical Engineering, Mathematics, Physics or related science and engineering disciplines preferred. We look for excellent problem-solving skills and the ability to adapt to a dynamic and multifaceted environment where business and technical skills are intermingled. In addition, we look for strong communication skills, the ability to work and interact with others, English proficiency and a strong academic background (a minimum GPA of 3.0/4.0). TO BE CONSIDERED, ALL CANDIDATES ARE REQUIRED TO APPLY ONLINE AT [www.morganstanley.com](http://www.morganstanley.com)

## 12. American Express: Seeking Business Analytic

American Express is seeking highly qualified Graduate students for full-time analytical roles with Risk & Information Management. Interviews: October 22, 2008 Apply through Career Services and [www.Americanexpress.com/jobs](http://www.Americanexpress.com/jobs) (keyword:108261)

Please note, you must be pursuing a post-graduate degree (Masters or PhD) by May 2009 and authorized to work in the United States

## 13. IBM Research is Hiring!

Dear Women's Constituency,

Opportunities still exist within IBM Research! Please share the request below with your internal and external contacts.

Note that any questions about the program should be directed to: Hunter Gilbert, Technical Recruiter, at (919) 543-5359, t/l 441 or via Notes to Hunter Gilbert/Raleigh/IBM.

We have a great opportunity for software engineers to consider working in IBM Research. The IBM Almaden Research Center (San Jose, California) and the IBM Watson Research Center (Yorktown Heights & Hawthorne, NY) are two of eight Research laboratories worldwide that make up the IBM Research division.

Currently, there are 7 Software Engineering job requisitions open at Almaden and Watson that we would like to bring to your attention and to utilize your network to reach out to current and potential qualified software engineer candidates:



Software Engineer - Services Research-Res-0163843  
Software Engineer - Systems Storage-Res-0163863  
Healthcare Informatics Software Developer-Res-0164901  
Research Developer - Distributive, High Performance Stream Computing  
- Res - 0168676  
Social Software/Visualization Developer - Res-0167099  
Research Software Developer - Distributed Systems- Res-0169396  
Software Engineer - Natural Language Processing - Res - 0167899

If you are or if you know of a qualified software engineer, please have them apply to [ibm.com/start](http://ibm.com/start) to the specific requisition(s) of interest.

1. Are the openings eligible from any location?

The ideal candidate is currently located or would be willing to relocate to the various labs. However, IBM Research is open to candidates working remotely. All viable candidates are encouraged to apply.

2. Are moving and living expenses covered?

The standard relocation package (moving and temporary living expenses) is included.

3. What level of education is required?

A PhD is preferred, but is not required. IBM Research is looking for someone with a Masters degree or equivalent work experience in desired fields.

4. Will non-U.S. citizens be sponsored?

Yes, non-U.S. citizens may be sponsored.

#### 14. Job Opportunities with QUALCOMM

Hello –

I'm part of the college recruiting team at **QUALCOMM** and we wanted to make you and other members of the Society of Women Engineers at Cornell University aware of full-time and summer internship opportunities that are available in the areas of Hardware, Software, Systems & IC Design Engineer. Below is brief information about each role and the job descriptions can be viewed in their entirety on Experience through Cornell's Career Services Website.

Please email your resume to [qualcomm@on-campus.com](mailto:qualcomm@on-campus.com) for consideration.

Thanks –

QUALCOMM College Recruiting Team

### **Hardware Engineer – New Grad & Intern**

- **Positions Include:** RFIC Design, Board and FPGA Design, Digital Design, Mixed Signal Design, RF/Analog Design, Design Verification
- **Requirements:** Bachelor's, Master's or PhD degree in Electrical Engineering or Computer Engineering

### **Software Engineer – New Grad & Intern**

- **Positions Include:** Embedded C/C++, Real time OS Development, Multimedia Applications, Object Oriented and UI Design
- **Requirements:** Bachelor's, Master's, or PhD in Computer Science or Computer Engineering

### **Systems Engineer – New Grad & Intern**

- **Positions Include:** Wireless Modem Firmware, Physical Layer Systems Design, Audio/Video Multimedia Systems, MAC Layer Systems Design, Digital Signal Processing, OFDM Systems Development
- **Requirements:** Master's or PhD degree in Electrical Engineering, Computer Science or Computer Engineering

### **IC Design Engineer (RF/Mixed Signal/Power) – New Grad & Intern**

- **Positions Include:** RFIC Design, Analog/Mixed Signal Design, PMIC Design
- **Requirements:** Coursework or research towards a PhD, Master's degree in E.E. Classes: RF and/or Analog/Mixed Signal design and theory, analog/mixed signal design in CMOS or bipolar, semi conductor physics and communication theory.

About QUALCOMM:

Ranked #8 by Fortune Magazine's annual "100 Best Companies to Work For" and headquartered in San Diego, QUALCOMM develops, manufactures, markets, licenses, and operates advanced 3G communications systems and products based on its proprietary digital wireless technologies. To ensure that the entire wireless industry is inspired and continues to evolve, innovate and experience success, QUALCOMM develops its technologies and solutions for the purpose of enabling key participants in the wireless value chain.

Recruiting Seniors and Graduate students for full time positions.

Monday, 10/6 In Hollister 110 @6pm

Free Pizza!!

Hosted by ASCE

[www.qea-llc.com/](http://www.qea-llc.com/)

**\*About Quantitative Environmental Analysis:\***

Quantitative Environmental Analysis, LLC (QEA) is an environmental consulting firm offering the expertise and experience necessary to develop technically-sound and cost-effective solutions to environmental problems facing the public and private sectors. Our scientific and engineering insights, developed from years of experience, state-of-the-science quantitative analyses and computer modeling, and top-notch communication skills, support decision-making for a wide array of problems, spanning various levels of complexity. We consistently surpass our clients' expectations by delivering products and services that are of the highest possible value, quality and reliability. This client-focused service is a consequence of our leadership, people and values.

**\*Values\*** - QEA is committed to making a contribution to society through objective, rigorous and technically superior evaluations of significant environmental problems. QEA continually strives to maintain this focus by:

- pursuing technological leadership in all areas of specialization;
- providing products and services that are of the highest possible value, quality and reliability;
- exercising irreproachable ethical standards in all aspects of our work;
  
- fostering a collegial work environment that encourages initiative, innovation, open communication and teamwork; and
- providing the opportunity for all employees to develop professionally and share in the company's success.

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Scholarship Opportunities

16. General Motors Minority Engineering and Science Scholarship Program

General Motors is pleased to announce its 2008 Minority Engineering and Science (MES) Scholarship Program offering scholarships for the 2008 - 09 academic year.

Attached is the MES application form that may be downloaded, copied and distributed to interested students and/or posted electronically. We will be relying on our university contacts to publicize this opportunity and to distribute the attached application form to interested students. All eligible students from your school should be invited to apply.

Applicants should submit their applications directly to the General Motors Scholarship Administration Center (GMSAC) no later than October 10, 2008.

The verification of eligibility - including participation in the GM online assessment - will be coordinated directly between the student and the GMSAC.

#### 17. HSF Scholarship

I would like to ask you for just a few minutes of your time with a small request that is very important for your students.

We will be awarding \$10,000 scholarships this fall as part of a program with Marathon Oil Corporation. They will be awarded to minority students for up to 2 years – \*a potential of \$20k per student, plus up to 3 summers of paid internships with Marathon! \*These opportunities are open to African American, Asian/Pacific-Islander and American Indian students as well as Hispanic students.

\*

I am asking you to please get the information about these excellent scholarships directly into the hands of your students.\* To accomplish this, please forward this email to some of the following people, with a request that they email this information to students:

- 1) The person responsible for minority/underrepresented students in your department
- 2) The person coordinating scholarships in your department
- 3) Someone in administration/student affairs who can email this information directly to your students

\*The application deadline for this program is November 1, so please get this information to your students as soon as possible.

\*

Specific eligibility criteria and the application itself can be viewed at <http://www.hsf.net/Scholarships.aspx?id=464>.

#### 18. The J.P. Morgan Launching Leaders Undergraduate Scholarship

J.P. Morgan's Launching Leaders does exactly what you might expect: promotes talent, jumpstarts careers and launches our next generation of

leaders.

The J.P. Morgan Launching Leaders Undergraduate Scholarship is for top Black, Hispanic and Native American sophomores. All Scholarship winners receive Summer Analyst positions as well as awards of up to \$10,000 a year - money that goes directly to you.

We offer Summer Analyst roles in Investment Banking, Sales & Trading and Research. Applications are due October 15, 2008. For more information and to apply, visit: [jpmorgan.com/launchingleaders](http://jpmorgan.com/launchingleaders)

This is where you need to be.

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Misc...

#### 19. Request for a Chem Tutor!

If anyone did well in ChemE 112, and is interested in tutoring a student (potentially for pay!), please contact Emily at [enb44@cornell.edu](mailto:enb44@cornell.edu).

#### 20. Join AquaClara!

Familiar with LabVIEW? Join AquaClara!

Aguaclara is seeking a student with experience programming in LabVIEW to help create our online design tool. The specific task is to interface between MathCAD and AutoCAD using Active X so that the AquaClara water treatment plant designs can be accessed via the internet. This could count as a Masters of Engineering Design Project.

For further information or expressions of interest email [ajd47@cornell.edu](mailto:ajd47@cornell.edu).

#### 21. M-Eng Career Fair!

The College of Engineering will be having their MEng College Fair on October 24th, from 12:00-2:00pm, in the Duffield Atrium. Every Engineering Field will be available to provide information regarding their various fields, along with staff and students present to answer any questions you may have. If you could pass along this information to your members, it would be greatly appreciated. The importance of a Masters degree in Engineering, is becoming increasingly popular among our area companies, because of this we want to present all of our students with the opportunity to learn more, as they move forward in their

academic careers.

## 22. Contact Information!

Name, Directorship, Netid

Kavita Baba, President, kb273  
Adwiti Balakrishna, President, ab422  
Amrita Mahtani, Corporate Relations, agm39  
Renee Yuen, Corporate Relations, ry42  
Corinne Winters, Corporate Relations, caw262  
Alex Woldman, Corporate Relations, ayw6  
Emily Swarr, Career Development, ecs43  
Kristie Resetco, Career Development, kmr53  
Alex Milaychev, Public Relations, am495  
Christine Pitner, Public Relations, clp65  
Christine Catudal, Conference Planning, clc242  
Liz Tutunjian, Conference Planning, eht26  
Barbara Wang, Student Services, baw39  
Michelle Zheng, Student Services, myz4  
Caitlin Cutter, Fundraising, clc62  
Danielle Brody, Fundraising, dlb333  
Alice Chuang, Finance, acc65  
Liz Corson, Outreach, ecc35  
Nicole Rodia, Outreach, ncr6

## 23. Adding something to SWEmail!

If you wish to have an ad or blurb in the SWEmail, please send it to [cornellswe@gmail.com](mailto:cornellswe@gmail.com) by 12 pm Sunday.

Have a great week, ladies!  
Alex and Christine