

# Technical Internships

**GauchosLink** UCSB's official job and internship search engine  
[career.ucsb.edu/students/gaucholink.html](http://career.ucsb.edu/students/gaucholink.html)

- *Internship postings both local and within California*
- *Campus Interviews- Apple and Microsoft now recruiting for summer internships 2009!*
- *Information Sessions- Provide specifics on selection and recruitment process*
- *Access to Vault Internships, Company Websites, & Message Boards by Industry*

## LOCAL INTERNSHIP EMPLOYERS

*(Links also available on career website under "Tech Internships")*

### Santa Barbara and Central Coast Technical Firms

Search for internships and jobs in the fields of science and engineering firms. Sign up for a FREE trial membership to find company details for those of interest. Contact directly to see if summer internship openings are posted.

[www.socaltech.com/showjob.php](http://www.socaltech.com/showjob.php)

### Science & Engineering Council of Santa Barbara

Local area network of technical companies and educational partners interested in providing networking and monthly luncheon speakers on a variety of applied technology innovations and applications. Also, click on the Technical Directory for contact information and descriptions of several local area technical firms.

[www.scieng.org/](http://www.scieng.org/)

### UCSB Computer Science Department

Check this website for on going internship/job announcements for postings requiring a CS/ECE background as well as a convenient listing of websites for student engineering campus organizations!

[www.cs.ucsb.edu/undergraduate/resources/](http://www.cs.ucsb.edu/undergraduate/resources/)

## NATIONAL INTERNSHIP EMPLOYERS

### Aerotek Technical Staffing Service

Useful if seeking contract project or contract to hire work. Contact the location closest to where you seek employment.

<http://www.aerotek.com/Jobs-Employment/Working-With-Staffing-Company.aspx>

### Tech-Interns.com

Search for internships nationwide for fields in engineering and sciences. More than 107 California listings. Site maintained by the American Society of Engineering Education (ASEE).

[www.tech-interns.com/search.cfm](http://www.tech-interns.com/search.cfm)

### Rileyguide.com

Click on the A-Z section for annotated links to job banks (internships) by specific career and or industry categories of interest.

[www.rileyguide.com](http://www.rileyguide.com)

## PROFESSIONAL ASSOCIATION INTERNSHIPS

### American Institute of Chemical Engineers (AICE)

Links to more than 100 company internships  
[www.aiche.org/Students/Careers/internships.aspx](http://www.aiche.org/Students/Careers/internships.aspx)

### Association of Computing Machinery (ACM)

Company internship links for computer science and IT majors.  
[www.acm.org/membership/student/studentopp](http://www.acm.org/membership/student/studentopp)

### American Society of Mechanical Engineering (ASME)

As a ME student member, find access to potential career and internship information  
[www.asme.org](http://www.asme.org)

### Engineering Jobs

What we like the most about this website is their links to professional associations. If you are serious about your career, join these organizations. They'll help you find an internship.  
[www.engineeringjobs.com/](http://www.engineeringjobs.com/)

### Institute of Electrical Engineering (IEEE)

Join as a student and get access to intern and job hunting info. If you are in any way serious about your career as an engineer, you MUST join a professional organization like IEEE.  
[www.ieee.org/web/careers/homel/index.html](http://www.ieee.org/web/careers/homel/index.html)

## NATIONAL RESEARCH & CA. INTERNSHIP PROGRAMS

### Maryland Engineering Research Internship Teams

The University of Maryland's Department of ECE is offering exciting research opportunities for undergraduate students in the broad area of electrical engineering. The Maryland Engineering Research Internship Teams (MERIT) program combines cutting-edge, team-based research with technical and educational seminars. Students typically work in teams of two or three and are supervised jointly by faculty members and graduate students. During the 10-week summer program, students develop their research projects, attend technical seminars, visit local industry and government organizations, meet with leaders in the field, and prepare a technical research report. Go to website for further details.  
[www.ece.umd.edu/MERIT/](http://www.ece.umd.edu/MERIT/)

### Massachusetts Institute of Technology (MIT)

Summer Research Internship Program for juniors and seniors specializing in Materials Science Individual work with an MIT faculty member, and \$5500 stipend, and all travel expenses covered Runs mid June to early August More info:  
[http://mpc-web.mit.edu/about\\_mpc/SummerScholars\\_info2008.php](http://mpc-web.mit.edu/about_mpc/SummerScholars_info2008.php)

### Materials Research Laboratory (MRL) Science and Engineering Internship Program.

This program will bring undergraduate students from around the country to the UC Santa Barbara campus for a 10-week summer research experience. Interns will gain first-hand experience in scientific investigation in a dynamic, collaborative research environment. They will be matched individually with faculty and graduate student lab mentors from the MRL, the College of Engineering, and other UCSB departments. Interns meet regularly to share their experiences and report on their progress. Our research interns often present at conferences such as at the annual Southern California Conference on Undergraduate Research.  
[www.mrl.ucsb.edu/RISE](http://www.mrl.ucsb.edu/RISE)

### National Institute of Standards and Technology (NIST) Summer Undergraduate Research Fellowship (SURF)

Boulder, CO OR Gaithersburg, MD (suburban Washington, DC) for students specializing in physics, math, computer science, materials, and some related disciplines \$4000 stipend, and a travel allowance runs late may to early August More info: <http://surf.boulder.nist.gov>  
or [www.surf.nist.gov/surf2.htm](http://www.surf.nist.gov/surf2.htm)

### National Nanotechnology Infrastructure Network (NNIN)—REU

This is a ten-week, research experience for undergraduates (REU) program, which offers students the opportunity to be involved in projects that involve hands-on nanotechnology research with support from faculty, student mentors, and facility staff. All projects involve working in a research group, a final written report, and a presentation of project results. The award includes a \$3800 stipend, round-trip travel, and housing expenses.  
[www.nnin.org/nnin\\_reu.html](http://www.nnin.org/nnin_reu.html) Main Website: [www.nnin.org](http://www.nnin.org)

### NSF Science & Technology Centers (STCs) Summer Undergraduate Opportunities

Provides an excellent opportunity to gain hands-on research experience in a cutting edge field. There are 17 STCs, located at prestigious universities around the United States. Each center has a specific research focus, but as a whole, our programs focus on such fields as the biological sciences, computer and information sciences, engineering, geosciences, and mathematical and physical sciences. Visit the website for more information and how to apply at [www.nsfstc.org](http://www.nsfstc.org)

### Stanford University Summer Undergraduate Research Experiences Program (SURE)

Provides undergraduates with a ten-week summer research opportunity. Students work on independent research projects involving direct interaction with research



scientists, post-doctoral scholars, and graduate students at Stanford University, IBM Almaden, University of California - Berkeley, University of California - Davis, or a CPIMA Industrial Affiliate. Students participate in a number of SURE activities including the CPIMA Forum where they present their summer research in a poster.

<http://cpima.stanford.edu/education/sure-program-reu/>

### **UC Berkeley Summer Undergraduate Program in Engineering Research (SUPERB)**

This program provides research opportunities in engineering to students who have been historically underrepresented in the field for reasons of social, cultural, educational or economic barriers. The program provides students with the opportunity to gain research experience by participating in research projects with engineering faculty and graduate students. SUPERB features regular workshops and seminars on the nature of academic life, standardized test preparation, writing and research skills and graduate school applications. Informal meetings and social events with faculty and graduate students are also offered. The program lasts eight weeks and participants receive a stipend and reimbursement for travel expenses.

[www.coe.berkeley.edu/cues/superb/](http://www.coe.berkeley.edu/cues/superb/)

### **UCLA Center for Scalable and Integrated Nano Manufacturing (SINAM)**

Seek ME/EE students from underrepresented populations who have a strong interest in the area of science/engineering to consider applying for this awesome program. Visit [www.sinam.org](http://www.sinam.org) and click on UCLA SINAM Summer Program for further details. Contact: KiMi Wilson, Education and Outreach Coordinator

### **UCSB Graduate Research Internships Program (GRIP)**

This program provides underrepresented students in the fields of science, technology, engineering, and mathematics with a guided summer research experience. Participants emerge from this intensive program with essential training and skills that enable them to more effectively compete for doctoral programs and post-doctoral research opportunities. If you are a current undergraduate or master's student, you are invited to participate in an 8-week research experience at UCSB. You will work in a research laboratory under the mentorship of a UCSB faculty member and research team on a mutually decided upon research project.

[www.graddiv.ucsb.edu/diversityoutreach/grip/](http://www.graddiv.ucsb.edu/diversityoutreach/grip/)

### **UCSD Scripps Research Institute-Research for Physical Sciences and Engineering Majors (MPL)**

Undergraduate college students who are considering a career in scientific research are encouraged to apply for a summer research internship in marine science and technology at the Marine Physical Laboratory, Scripps Institution of Oceanography. Applicants for the Scripps Research Institute

internship must be either a permanent resident or a US citizen. The salary for this ten-week program will be \$12.00 per hour, not to exceed 40 hours per week. This program lasts for approximately 10 weeks.

[www.mpl.ucsd.edu/news/mpl.internships.html](http://www.mpl.ucsd.edu/news/mpl.internships.html)

## **GOVERNMENT & SPACE RELATED INTERNSHIPS**

### **USA Federal Summer Internship Opportunities**

Click on the agencies you are most interested in for further details on hiring needs & potential summer openings. Definitely, check out the Department of Energy (DOE) and more.

[www.studentjobs.gov/agencies.asp](http://www.studentjobs.gov/agencies.asp)

### **NASA Opportunities**

Gain excellent experience at NASA by joining one of their many programs for science and engineering students.

[www.nasajobs.nasa.gov/studentopps/employment/programs.htm](http://www.nasajobs.nasa.gov/studentopps/employment/programs.htm)

### **NASA Undergraduate Student Research Project (USRP)**

Offers internship opportunities for undergraduate science and engineering students at all 10 NASA centers and additional partner facilities. These mentor-guided internships provide hands-on, real-life, career-related experiences that challenge, inspire, and provide practical application that complements and expands upon students' academic education.

[www.nasa.gov/audience/forstudents/postsecondary/programs/Undergraduate\\_Student\\_Research\\_Project.html](http://www.nasa.gov/audience/forstudents/postsecondary/programs/Undergraduate_Student_Research_Project.html)

### **NASA Fellowships, Internships & More**

The website gives you a brief description of the opportunities and a link to more information.

[www.nasa.gov/audience/forstudents/postsecondary/learning/index.html](http://www.nasa.gov/audience/forstudents/postsecondary/learning/index.html)

### **Summer Institute in Engineering & Computer Applications Program (SIECA)**

Designed primarily to provide space-related research experience for minority undergraduate students. The internship is a ten-week program that supports 15 undergraduate and 11 graduate students. There is a basic summer stipend of \$5,250 for undergraduates and \$6,000 for graduates. Students get to work with on-site mentors at NASA's Goddard Space Flight Center.

<http://apollo.cs.bowiestate.edu/sieca/index.html>

### **Vandenberg Air Force Base (AFB)**

(Located near Lompoc North of UCSB) Under Civilian Employment, click on STUDENTS for internships and summer



hires. There was a contact interested in MEs with experience in pneumatic valving with interesting projects to work on, large rockets (i.e., fire), operations, fueling, launch, and software--the works. Have had a need for an intern to help solve some problems in the handling, metering and storage of liquid helium for purging fuel tanks in boosters.

<http://ask.afpc.randolph.af.mil/CivEmploy/?prods3=181>

## INTERNATIONAL INTERNSHIPS

### Cooperative International Science and Engineering Internships Program (CISEI),

Sponsored by the Materials Research Laboratory and the International Center for Materials Research, this program sends undergraduate science and engineering majors to international partner institutions for a 10-week summer research experience. Internships are available at research centers in Dublin-Ireland; Cork-Ireland; Santiago-Chile; Eindhoven-Netherlands; Oxford-England; Taejon-Korea, Brisbane-Australia; Shanghai-China and Saarland-Germany. Housing, travel and living expenses are provided! More info: <http://www.mrl.ucsb.edu/CISEI/>

### Engineers Without Borders- US and UCSB Chapter (EWB)

Engineers Without Borders – USA is a non-profit humanitarian organization established to partner with developing communities worldwide in order to improve their quality of life. This partnership involves the implementation of sustainable engineering projects, while involving and training internationally responsible engineers and engineering students.

[www.ewb-usa.org/](http://www.ewb-usa.org/) UCSB Chapter: [www.engineering.ucsb.edu/~ewb-ucsb/Welcome/Welcome.html](http://www.engineering.ucsb.edu/~ewb-ucsb/Welcome/Welcome.html)

### International Assoc. for the Exchange of Students for Technical Experience (IAESTE)

This placement program matches technical students from U.S. universities with paid summer internships abroad, typically for 8 to 10 weeks. Internships are available in private companies, research laboratories, universities, and other academic institutions. Must be at junior-level standing or above by the time you begin your internship. Sophomores are encouraged to apply. Foreign language skill requirements vary by positions. Most only require English. Graduating seniors are still eligible. Summer application deadline early to mid- January.

Apply on-line at: [www.iaesteunitedstates.org](http://www.iaesteunitedstates.org)

### International Cooperative Education

Paid overseas summer work and internships. Low cost fees include housing; work visa and placement. Open to international students and graduating seniors.

[www.icemenlo.com/index.shtml](http://www.icemenlo.com/index.shtml)

### Peace Corps

Besides Agriculture and Business Development, Peace Corps Volunteers are working to help people in these communities take part in the information and communications technology (ICT) revolution. ICT Volunteers help communities and organizations capitalize on available and appropriate information technologies, helping to bridge the divide between those who can afford access to technology and those who cannot. They identify innovative approaches that enable resource-poor communities to use information and communications technology for their own development purposes.

[www.peacecorps.gov/](http://www.peacecorps.gov/)

## TECH OPPS INTERNSHIP ARCHIVES FROM PREVIOUS TWO YEARS

Students can access details of company internship announcements in the past by logging onto their accounts at TECH OPPS. <https://ucsb.edu/mailman/listinfo/tech-opp>

Here is a partial listing of those local firms that have sought engineering/cs majors for internships:

### Accsense, Inc.

[www.accsense.com/a\\_employ.html](http://www.accsense.com/a_employ.html)

Provider of remote physical sensors and software. Have hired two part-time interns for the software quality assurance department in the past. Qualified individuals should send a resume to [hr@accsense.com](mailto:hr@accsense.com).

### Agile Materials.

[www.agilematerials.com/Employment.html](http://www.agilematerials.com/Employment.html)

Have hired RF/Microwave Design Engineer: Design, develop and test Microwave Integrated Circuits using Agile's thin-film ferroelectric technology.

### Bardex

[www.bardex.com/jobs/index.shtml](http://www.bardex.com/jobs/index.shtml)

Provider of heavy lift hydraulic systems for offshore applications. Has hired third year engineering students in the past.

### Citrix Online

<http://www.citrixonline.com/careers.tmpl>

A fast-growing division of Citrix Systems, Inc. (Nasdaq: CTXS), based in Santa Barbara, CA. with satellite offices and data centers around the world. Every month, more than 15,000 new customers start using Citrix Online's services to work from anywhere with anyone – using our remote-connectivity tools (i.e., GoToMy PC; GoToMeeting; GoToAssist) to save time, get more done and connect to others around the world.



## Clipper Wind

<http://clipperwind.hodesiq.com/careers.asp>

Strive to help advance technologies and service so customer become more successful in the large-scale expansion of wind energy, lessening the impacts of fossil generation on the earth.

## Calient Networks

[www.calient.net/corporate/contact\\_us.php](http://www.calient.net/corporate/contact_us.php)

Have hired Software Engineering Interns in past to Develop and test hardware for mounting optical components, including measurement and analysis of vibration.

## Danher Motion

[www.danhermotion.com/website/us/eng/about\\_us/jobs\\_career.html](http://www.danhermotion.com/website/us/eng/about_us/jobs_career.html)

Student Interns in the past have worked with Software Quality Assurance Group testing our core software products, including libraries, utilities, GUI Tools and ActiveX controls involving all areas of the software process, including design, development and automated and manual testing.

## FLIR Systems (formerly Indigo Systems)

[www.flirjobs.com](http://www.flirjobs.com). Primary site: [www.flir.com](http://www.flir.com).

A former M.E. student now runs the maritime and airborne product line within FLIR Systems and at one time needed some mechanical design/test engineering help who knew Solidworks, and who would enjoy working on a product development from the early stages.

## Green Hills Software Company

[www.ghs.com/recruit.html](http://www.ghs.com/recruit.html)

The technology leader in high performance compilers, software development tools and real-time operating systems (RTOS) for developers of embedded systems. An "embedded" system is one in which a microprocessor and associated components (e.g. memory) are incorporated into a product to aid the product in accomplishing difficult and complex tasks.

## Karl Storz Imaging <http://careers.ksimaging.com/company.html>

A world leader in endoscopy. KSI designs, develops, manufactures and services advanced video imaging systems and accessories. Our work helps enable surgeons to perform minimally invasive procedures and operations.

## OCCAM Networks

[www.linkedin.com/companies/occam-networks](http://www.linkedin.com/companies/occam-networks)

Has hired Software Engineering Interns in the past. to investigate ANMS (ANMS is a LINUX machine) network security issues, ie. find security holes and weakness in a system which allows an attacker to violate the integrity of ANMS system such as weak passwords, software bugs, a computer virus, a script code injection, a SQL injection, a Blue Pill, or malware, network interfaces weaknesses.

and Hardware Engineering Interns to assist our hardware engineers in the development, verification, and test of our video transport solutions. Knowledge of circuit design, FPGA development (VHDL and the Altera platform), and video standards would be extremely advantageous.

## QAD.

[www.qad.com/portal/site/solutioncenter/Careers/](http://www.qad.com/portal/site/solutioncenter/Careers/)

Provides innovative enterprise software, services and support, with steadfast commitment to the future of global manufacturing. Offers career opportunities around the world, in 65 different locations from Santa Barbara to South Africa to Shanghai.

## Skyworks Solutions.

[www.skyworksinc.com/careers.asp](http://www.skyworksinc.com/careers.asp)

An innovator of high performance analog and mixed signal semiconductors enabling mobile connectivity. Have recruited EE/ME students in the past.

## Toyon.

[www.toyon.com/careers.asp](http://www.toyon.com/careers.asp)

A nationally recognized small business performing both technology development and defense systems analysis. Since 1980, we have supported more than 50 government and commercial customers on over 500 contracts.

## RENCO Encoders, Inc.

[www.renco.com/](http://www.renco.com/)

RENCO is an industry leading manufacturer of high quality rotary optical encoders.

## Veeco.

[www.veeco.com/company/Careers.aspx](http://www.veeco.com/company/Careers.aspx)

A leading provider of Metrology and Process Equipment solutions used by manufacturers in the data storage, semiconductor and compound semiconductor/wireless industries. Veeco's Metrology tools are used to measure at the nanoscale. Past recruitment needs have been for the following positions: Semiconductor Applications Engineers; Facilities Engineer; Wafer Fab Process Engineer; Wet Fabrication Technician; Industrial Engineer Intern; Nanoprobe Development Engineering Intern; and Manufacturing Engineer Intern

*Note: Many local area companies do not always know summer intern needs until early spring quarter. The above companies may or may not have budgets for the current year. UCSB students may wish to email first before submitting an application to insure internships are anticipated. Summer internship appointments are often extended on a part-time basis during the senior year.*

