



## **Career Opportunities for Computer Science, Computer Engineers, Electrical Engineers and SIS**

**Overview Computer Science:** Computer science majors are the designers, creators, and inventors of new technology. By creating new technology, or finding alternative uses for existing resources, they solve complex business, scientific, and general computing problems.

**Overview Computer Engineering:** Computer engineers typically research, design, develop, test, and oversee the manufacture and installation of computer hardware, including computer chips, circuit boards, computer systems, and related equipment such as keyboards, routers, and printers.

**Overview Electrical:** Electrical engineers oftentimes conduct research, and design, develop, test, and oversee the development of electronic systems and the manufacture of electrical and electronic equipment and devices.

**Overview SIS:** Systems engineers bring together the efforts of a variety of engineering fields. They develop, analyze, and often optimize complex systems. They are often involved in healthcare, manufacturing, and research and design.

### **Computer Science and Computer Engineering Societies:**

#### **Association for Computing Machinery**

ACM delivers resources that advance computing as a science and a profession. ACM provides the computing field's premier Digital Library and serves its members and the computing profession with leading-edge publications, conferences, and career resources.

#### **Association for Women in Computing**

The purpose of AWC is to provide opportunities for professional growth through networking and through programs on technical and career-oriented topics.

#### **IEEE Computer Society**

The IEEE Computer Society is the computing professional's single, unmatched source for technology information, inspiration and collaboration.

### **Electrical Engineering Societies:**

#### **Institute of Electrical and Electronics Engineers (IEEE)**

Through its global membership, IEEE is a leading authority on areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics among others.

### **Systems and Information Science Societies:**

#### **International Council of Systems Engineering (INCOSE)**

The purpose of INCOSE is to develop and disseminate the interdisciplinary principles and practices that enable the realization of successful systems.

### **Research Opportunities Can Be Found at:**

[http://www.nsf.gov/crssprgm/reu/reu\\_search.cfm](http://www.nsf.gov/crssprgm/reu/reu_search.cfm)

## How to Search for an Internship/Job:

- Search for positions using job position titles: development engineer, embedded c engineer, control engineer, systems engineer, performance test analyst, instrumentation and controls engineer, electrical engineer, test automation engineer, process specialist, high voltage manager, process engineer, backup recovery engineer, information services director, circuit designer, problem and incident management specialist, customer service engineer, engineering manager-surveillance software, network design engineer, development engineer-radar systems
- Search using key phrases such as: electrical engineer, electrical engineering intern, electrical engineering coop, computer science engineer, computer science engineering intern, computer science engineering coop...
- **Importance of follow-up:** If you are using the internet, google the company or go to their site and link to their contact us page, utilize any phone numbers or email addresses to a direct person to follow up.

## OTHER SUGGESTED SITES:

<a href="http://www.internships.com/intern/engineering">http://www.internships.com/intern/engineering</a>	<a href="http://www.monster.com">www.monster.com</a>	<a href="http://www.nspe.org">www.nspe.org</a>
<a href="http://www.google.com">www.google.com</a>	<a href="http://www.careerbuilder.com">www.careerbuilder.com</a>	<a href="http://www.indeed.com">www.indeed.com</a>
<a href="http://www.wetfeet.com">www.wetfeet.com</a>	<a href="http://www.collegegrad.com/">http://www.collegegrad.com/</a>	<a href="http://www.careerjournal.com">www.careerjournal.com</a>
Respective Professional Society Sites	<a href="http://www.granted.com/">http://www.granted.com/</a>	<a href="http://www.aftercollege.com">www.aftercollege.com</a>

\*\*\*For International Students: <http://www.myvisajobs.com/>

## Below is just a small sampling of companies to consider when job searching:

- Aerotek
- Assured Information Security, Inc.
- BAE Systems
- BNY Mellon
- C&S Wholesale Grocers
- Crowe Horwath LLP
- Deloitte Consulting
- eClinicalWorks
- Epic
- EY
- Federal Reserve Board
- Fidelity Investments
- Gartner
- GEICO
- General Electric
- IBM
- INFICON
- JP Morgan & Chase
- Lake Effect Applications
- Lockheed Martin
- Marlabs Inc.
- Mentor Graphics
- Microsoft
- New York Air Brake
- NY Dept. of Transportation
- Novelis
- Promatrix Corp.
- Raytheon Company
- RvD IDEA
- TD Bank
- Anheuser-Busch
- Assured Information Security, Inc.
- Barton and Loguidice, D.P.C
- Bergmann Associates
- Bloomberg
- C&S Engineers
- Cianbro
- ConMed Corporation
- Cryomech
- Ephesus Lighting
- General Dynamics Electric Boat
- JEOL USA
- Johnson & Johnson
- Kirchhoff-Consigli
- Legrand
- Marquardt Switches Inc.
- National Grid
- Pall Corporation
- POWER Engineers
- Professionals Incorporated
- Stantec Consulting
- The Raymond Corporation
- Verso Paper
- PECO
- Boeing
- VMware
- Dell
- General Atomics
- Boecore
- Vine
- LexisNexis