It’s now clear that this cyber threat is one of the most serious economic and national security challenges we face as a nation. It’s also clear that we’re not as prepared as we should be, as a government or as a country.” President Barack Obama, May 29, 2009

Sandia Labs’ Center for Cyber Defenders internship program fosters students’ abilities to address the unique challenges existing in the realm of cyber security. It encourages the exploration of original ideas necessary to keep pace with both the rapid changes in information technology and the increasing sophistication of cyber threats. The CCD matches candidates with high-impact Sandia projects based on their skills and interests, and promotes collaboration, creativity, and mentorship through teamwork, innovative thinking, and strong project leadership.

The program combines research with education in trusted systems engineering and gives interns a competitive edge for obtaining a job in the realm of information assurance. CCD interns also receive on-site training, attend information technology seminars, and participate in other activities aimed at securing information and control systems.

How to Apply:

CANDIDATES WITH SKILL SETS THAT MATCH OUR REQUIREMENTS ARE ENCOURAGED TO APPLY. FOLLOW THE DIRECTIONS BELOW:

1. VISIT SANDIA’S CAREER SITE
   Go to: http://sandia.gov/careers

2. FIND CCD JOB POSTINGS
   1. Click on “Job Search” then “Search,”
   2. Search for job openings using keyword “Cyber Defenders.”

3. APPLY TO JOB(S)
   /, Aji nh rfc _mrpmag yr AAB Inh mnoje,
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Sandia is committed to provide a valuable experience that truly prepares each individual student for a career in information security research. The summer and year-round program is designed for college and university students who are pursuing degrees in computer science/engineering, information assurance, electrical engineering, mathematics, or related fields of study, and who are interested in furthering their knowledge of information systems security.

Interns are expected to gain skills in the following areas:

- Basic information security
- Operating systems analysis
- Network configuration and management
- Network programming
- Cryptography research and analysis
- Low-level software analysis
- Malware analysis
- Hardware analysis
- Embedded systems
- Firewall design and implementation
- Red Teaming
- Virus and other malicious code defense
- People skills in the work environment
- Familiarity with current network operations
- Business operations within a corporate environment
- Incident investigation and response
- Malware analysis
- Hardware analysis
- Embedded systems
- Firewall design and implementation

ELIGIBILITY:

- Student must be enrolled fulltime in an accredited college or university
  - Undergrad = 12 hours
  - Grad = 9 hours
- Majoring in Computer Science, Electrical Engineering, Computer Engineering, Mathematics, or equivalent
- Undergraduate GPA of at least 3.2 and, if applicable, graduate GPA of at least 3.5 (on a 4.0 scale)
- Ability to receive a DOE security clearance (U.S. Citizen)

MAKE A DIFFERENCE IN NATIONAL SECURITY.

If you have strong problem solving skills, deep technical knowledge, and a dedication to serve in the national interest, an internship with Sandia could be your next career step!

As one of our Government’s Federally Funded Research and Development Center’s (FFRDC), Sandia is pleased to offer employment opportunities through the National Science Foundation’s (NSF) Scholarship For Service (SFS) program to some of the nation’s brightest and accomplished information assurance graduates. Students can learn more about the Scholarship For Service Program by visiting: https://www.sfs.opm.gov/

Visit us online: www.sandia.gov/ccd