



POSITION: Masters Fellowship Program MFP

Computer Scientists and Computer Engineers- Job ID: 61884

Sandia National Laboratories is one of the nation's premier science and engineering laboratories for national security and technology innovation. We are a world-class team of scientists, engineers, technologists, postdocs, and visiting researchers—all focused on cutting-edge technology, ranging from homeland defense, global security, biotechnology, and environmental preservation to nuclear defense, energy and combustion research, and computer security. To learn more, visit www.sandia.gov/.

Sandia's Masters Fellowship Program (MFP) enables talented, diverse candidates to pursue master's degrees at top universities around the country by providing financial support for their graduate education. Students participating in the MFP will have their tuition and fees paid by Sandia and will receive an annual stipend to aid them with living expenses.

DEPARTMENT DESCRIPTION

The candidate(s) selected for this MFP position will work in the Engineering and Design Integration Center (2600). The Engineering and Design Integration Center (2600) is a multi-discipline, product-focused organization that provides engineering design, components, subsystems, integration, testing, and field support for nuclear weapons and other national security applications. Examples of these applications include the development of satellite and other space-flight payloads and testing for high consequence military programs. The Center is divided into three main competencies: Advanced Mechanical Systems, Sensor and Fuze Engineering, and Telemetry and Software Systems.

Computer scientists and engineers in this organization work in high performance technical teams in the design, development, qualification, and delivery of highly specialized software tools for data collection, processing, and analysis for national security applications. These tools frequently must be designed to meet demanding performance specifications, offer extremely high reliability, enable integration and interfacing of numerous subsystems, and meet stringent survivability requirements in adverse environments.

JOB DESCRIPTION

Sandia National Laboratories is seeking exceptional senior undergraduate candidates or recent graduates who are interested in joining Sandia's Master's Fellowship Program (MFP) to pursue a master's degree in computer science or computer engineering. MFP is a limited recruiting program designed to help Sandia meet affirmative-action goals while also building our capabilities with exceptional employees who have earned advanced technical degrees and have demonstrated the attributes necessary to work at Sandia.

Selected candidate(s) must spend at least two months (maximum of six months) working at Sandia prior to entering a top graduate school as a full-time student pursuing a master's degree in computer science or computer engineering. The master's degree must be earned in three to four consecutive semesters, and students must complete the program with a minimum cumulative GPA of 3.5/4.0. Upon completing the master's degree, MFP participants will return to Sandia and join this hiring organization's technical team, contributing to work that addresses and impacts science and technology challenges affecting the world.

Sandia provides employees with a comprehensive benefits package for this position, including medical, dental, vision and a generous 401(k) savings plan with company match. Our culture values work-life balance; we offer programs such as flexible work schedules with alternate Fridays off, on-site preventive health programs, and three weeks of vacation.

For more information about this opportunity, please visit: <http://www.sandia.gov/employment/special-prog/oyoc/>

ELIGIBILITY CRITERIA:

- Recent graduate (e.g., December 2008) with an engineering or science bachelor's degree or a current undergraduate student who will receive an engineering or science bachelor's degree in 2009 or 2010.
- Minimum cumulative GPA of 3.2/4.0.
- Ability and desire to obtain a master's degree in computer science or computer engineering (the hiring manager and the MFP candidate will discuss how the candidate's planned program of study may be used to accomplish work relevant to Sandia's needs).
- Demonstrated ability to develop and present ideas and results in oral and written form.
- Ability to maintain a minimum cumulative GPA of 3.5 throughout the MFP program.
- A track record of leadership and involvement in extracurricular activities, including professional associations.
- Ability to obtain a U.S. Department of Energy security clearance for this position. To obtain a security clearance, U.S. citizenship is required.
- Candidates must also be self-directed, innovative, organized, and able to work in a large team environment. Selected candidates must possess well-developed interpersonal and communications skills. Demonstrated leadership skills and an interest in working in a multidisciplinary laboratory environment are also desired.

APPLICATION INSTRUCTIONS

Apply online at www.sandia.gov/employment/career-opp/. Click on Search Job Postings, and type the Job ID number (61884) into the Keywords box. Click on the Search button to access this job opening, and complete an online application.