In 2008, intern locations included: Air Force Research Laboratories in Wright-Patterson, OH and Rome, NY; Maui High Performance Computing Center, Maui, HI; Naval Air Warfare Centers in Patuxent River, MD and China Lake, CA; Army Research Laboratories in Aberdeen and Adelphi, MD; and Space & Missile Defense Command in Huntsville, AL; and the Arctic Region Supercomputing Center in Fairbanks, AK.

Application Process

To apply for a JEOM Internship, please submit the following:

- A resume
- A cover letter, indicating your specific area(s) of interest and expertise, what you hope to gain from an internship, why you would like to become a JEOM intern, and your availability and schedule
- Two letters of references from individuals who know you well enough to discuss your qualifications, e.g., an employer or professor

Application Deadlines

Please note the following timeline. Start and end times are negotiable.

Application Deadline       Apr 15
Internship                 Jun 14–Aug 22

Contact Us

To learn more and submit materials, email JEOM-Scholars@hpcmo.hpc.mil or mail to:

JEOM Project Manager
High Performance Computing Modernization Program
10501 Furnace Road
Suite 101
Lorton, VA 22079

www.hpcmo.hpc.mil/community/JEOM/
The High Performance Computing Modernization Program (HPCMP) delivers world-class commercial, high-end, high performance computational capability to the Department of Defense (DoD). The program supports approximately 4,500 scientists and engineers located at over 125 DoD laboratories, test centers, universities, and industrial sites. With shared resource centers located throughout the United States, the program nurtures a culture in which DoD’s scientists and engineers routinely use advanced computational environments to address the DoD’s most complex and challenging problems. The program helps the DoD maintain the technological edge required to analyze, design, produce, and deploy new technology concepts, advanced weapons systems, and warfighting capabilities. It shares resources across the DoD Services and Agencies to foster collaboration, reduce overall acquisition and sustainment costs, and provide focused support for the DoD science and technology (S&T) and test and evaluation (T&E) communities.

Internship Description

The DoD HPCMP created the JEOM Program for students from underrepresented groups, who are pursuing studies in the science, information technology, engineering and mathematics (STEM) disciplines. The goal of the program is two-fold: 1) ensure a competitive and diverse workforce within the DoD by offering training, mentorship, and career development for undergraduate students in the STEM disciplines and 2) to enable students who have an interest in computational science and high performance computing challenges important to DoD. JEOM offers well-qualified, highly-motivated students an opportunity to work with seasoned and well-respected scientists and engineers located at DoD laboratories and test centers across the country. Interns gain experience in key areas, such as computational science, information technology, computer science, and scientific visualization.

Approximately 35 students can be accepted into the program, which runs for approximately 10 weeks during the summer. The JEOM Program will match interns with mentors, primarily, on the basis of their background, preparation, and areas of interest. In addition to the research/work experience, interns will attend the annual DoD HPCMP Users Group Conference and the JEOM Colloquium. At the end of the program, the interns will present their accomplishments to representatives at host institutions and provide written reports on their research to the Program Coordinator.

Qualifications

Eligibility: US Citizens only and the ability to obtain and maintain a Secret clearance. Must have a 3.2 GPA or higher.

Requirements: The ability to work well in a team setting; a positive attitude and a bias for action; above average multi-tasking skills; and demonstrated leadership skills.

Education: Pursuing a BS in science, information technology, engineering, or mathematics disciplines. Completed sophomore year in college by the start of the program.

Availability

Opportunities for internships are available for the summer.

Summer semester interns are expected to work 40 hours per week and attend the HPCMP Users Group Conference, 14–19 June, in San Diego, CA.

Compensation

The stipend is based on level of experience and varies between $15.75 and $17.50 per hour. The JEOM Program will provide travel expenses to and from the host institution. Preapproval is required.

HPCMPO covers all travel expenses associated with the Users Group Conference.