

Undergraduate Research Assistant



High Performance Computing

Do you have a knack for computing?

Are you interested in working with W&M's most powerful computer systems?

Would you like to get paid to learn marketable new skills?

The High Performance Computing Group in the Office of Information Technology is looking for a talented, self-motivated freshman or sophomore with exceptional computing skills to assist in the operation and maintenance of the College's research computing systems. Duties are varied and somewhat open-ended, depending on the interests and skills of the applicant, but would typically include: troubleshooting and repairing computers, assembling and disassembling systems, building and installing application software packages and support tools, developing system management and monitoring utilities, and benchmarking system performance. There is also the potential for work-related independent research under the joint direction of W&M faculty and IT/HPC staff.

Applicants should have excellent programming skills and a working knowledge of Java, C, or C++. Prior experience with assembling/maintaining computer hardware is desirable, as is exposure to Linux or Unix operating systems and *cs*h or *bash* shell scripting. Familiarity with data structures and principles of computer architecture and computer networking is helpful. Working hours are flexible, with up to 20 hours/week during the school year and the possibility of full-time employment during the summers. Due to the long learning curve involved, applicants should expect to commit to the position for the duration of their undergraduate career.

This position will be open until filled, with a preferred starting date in February 2012. To apply, please send a current C.V. and cover letter via email to it-hpc@hpc.wm.edu, including a detailed description of relevant coursework and experience, and two references.