

Purdue University
Computer Analyst for CMS Tier-2 Center

JOB DUTIES

The successful candidate will participate in the deployment, maintenance, and user support for the CMS (Compact Muon Solenoid) Tier-2 computing center at Purdue. Will be responsible for maintaining CMS data analysis and simulation environment at Purdue and the set of Grid-based monitoring, data transfers, and batch systems; data and processing management at Purdue; providing user support for CMS users of Purdue resources; and participating in the development of new applications and tools related to data processing and analysis in CMS. Will work in close collaboration with researchers at other CMS institutions including interactions with users and developers accessing the Purdue center. This position will be within the CMS Tier-2 team at Purdue University, working on the world largest computing infrastructure driven by particle physics experiments. The engineer will work closely with the infrastructure group of ITAP Rosen Center for Advanced Computing and the Physics Department while leading the operation of the CMS Tier-2 site and interacting with staff members working on other Grid projects.

QUALIFICATIONS

Required:

Bachelor's degree in Engineering, Computer Science, Computer Technology, Physics or related field.

Three years system administration experience with UNIX and/or Linux systems.

Dynamic and creative individual who can operate independently and deliver tasks on schedule.

Interest in research projects and cutting edge computer science technology.

Ability to work in a fast-paced work environment and solicit ideas to team.

Skills with system integration and ability to learn new technologies.

Linux system administrator skills.

Expert with scripting languages such as Python, Perl, Tcl/Tk.

Knowledge of and experience with C/C++ programming languages.

Project management skills including good oral and written communications skills.

Preferred:

Minimal experience with storage solutions.

Linux system administrator skills.

Experience in scientific computing.

Grid and Cloud computing experience especially Globus and Condor middleware.

Experience with distributed storage systems.

Experience in a research environment supporting scientific computing especially related to Physics.

Experience with supporting a distributed community of researchers.

For consideration submit resume and apply online at:

www.purdue.edu/careers and reference Job Number 1101451.

Purdue University is an Equal Opportunity/Equal Access/Affirmative Action Employer committed to achieving a diverse workforce.