zintellect
climb higher

Opportunity Title: ORNL High Performance Computer System Administrator
Laboratory Technology Associate
Opportunity Reference Code: ORNL19-LabTech-NCCS

Organization Oak Ridge National Laboratory (ORNL)

Reference Code ORNL19-LabTech-NCCS

Description Oak Ridge National Laboratory (ORNL) is the largest US Department of Energy science and energy laboratory, conducting basic and applied research to deliver transformative solutions to compelling problems in energy, environment, and security.

The participant will learn about several aspects of
High Performance Computer (HPC) environments, with the end goal of competing in the Student Cluster Competition at SC19 in Denver. The Student Cluster Competition is an educational competition for undergraduate students. Systems topics include system design, analytics, networking, and configuration management. Applications topics include scientific application design, porting, compilation, and running jobs with HPC job schedulers.

Qualifications Candidate should be pursuing a degree in computer science or a related field.

Preferred

- Experience with maintaining and setting up a Linux environment
- Experience compiling applications from source code
- Experience debugging application source code
- Experience creating and maintaining small networks
- Experience in C, C++, Perl, Python, Bash preferred.

Living in East Tennessee: While the opportunity to work at ORNL is an amazing experience in itself, it's easy to overlook everything else East Tennessee has to offer if you haven't had the opportunity to spend time here. From spending your weekends downtown at Knoxville's farmers market, the Rhythm n' Blooms Music Festival, or the Dogwood Arts Festival, to some of the best hiking, kayaking, and camping in the U.S, East Tennessee has something to offer everyone.

The ORNL Laboratory Technology Associate Program is administered by Oak Ridge Associated Universities through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education (ORISE).

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Currently pursuing an Associate's Degree or Bachelor's Degree.
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (16 👁)

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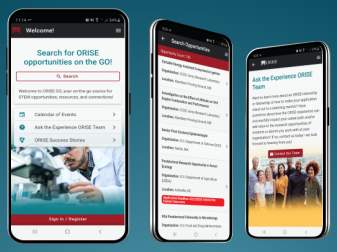

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