The Research Computing group at Princeton has an opening for a Big Data Analyst:

Princeton University is seeking a Big Data Analyst to join its Office of Information Technology (OIT) Department. The Big Data Analyst reports to the Manager of Systems and Storage and works as part of a team that supports the hardware and system level software on the university's TIGRESS centralized high performance computing systems and other research computing systems. Responsibilities include working with faculty, vendors and IT staff to design and specify research computing systems and storage used in data intensive research, as well as installing and administering those systems. The analyst helps end-users to trouble shoot system level problems with software, data, and job submission and also teaches workshops and mini-courses on big data related topics as needed by the university's research community. The position requires one to work closely with colleagues in OIT as well as technical staff in university departments to provide timely and creative support for research computing. The individual in the position works both on teams and independently, requiring only general supervision.

Specific responsibilities include:

- Consulting with faculty, vendors and IT staff to design and specify research computing systems and storage used in data intensive research.
- Installing, maintaining and administering research computing big data, database, and storage systems.
- Applying and developing best practices for installation, configuration, and operation of data intensive research computing systems.
- Analyzing and troubleshooting complex system level problems with software, data, and job submissions.
- Providing instruction and conducting workshops on data intensive research computing related topics as needed.
- Working with faculty to develop a training curriculum and user-friendly interfaces for conducting data intensive research.
- Providing multi-level support for the large user base of the data intensive computing resources.
- Installing, maintaining, and supporting data intensive software and schedulers on these systems.
- Monitoring system and network health and performance.
- Administering both local and global storage available to our HPC systems.
- Managing and maintaining vendor relationships.
- Advising faculty and researchers on data intensive research and big data issues.
- Keeping abreast of emerging technologies.
- Using scripting and programming tools and performs basic debugging.
- Developing and maintaining documentation related to data intensive research systems and storage.
- Providing off-hours on-call support for HPC systems on a rotating basis.
- When provided access to personal, proprietary and/or otherwise confidential data, maintains such data in the strictest confidence and follows procedures to ensure the privacy, security and proper use of data.

Essential Qualifications:

- Expertise with big data system administration, installation and troubleshooting including Hadoop, MySQL, and PostgreSQL.
- Experience managing computational and storage hardware.
- Experience managing systems that process and store restricted use, confidential, and personally identifiable data in a secure and private manner.
- Strong oral and written communication skills.
- Ability to respond promptly and professionally to customer requests.
- Minimum of five years of experience as big data system administrator.
- Ability to apply skills and knowledge to solve routine and moderately complex problems in a Linux operating system environment.
- Demonstrated successes working in a collaborative environment as well as independently.
- Ability to learn new systems beyond area of core knowledge.
- The ability to communicate effectively with diverse user base having varied levels of technical proficiencies.
- Proactively seeks information and ideas from peers, supervisors, and customers.
- Ability to handle multiple priorities.

-Advanced degree in a related field

Specific Technologies:

- Computational hardware
- Hadoop
- PostgreSQL
- MySQL
- Linux
- IBM General Parallel File System
- HPC storage hardware (both disk and tape technology)
- Scripting in bash, Python and/or Perl

This is a 3 year, benefits eligible term position.

The final candidate will be required to pass a background check successfully.

To see the full details, you can nat

- Go to https://jobs.princeton.edu/applicants/jsp/shared/Welcome_css.jsp
- Choose "Search Open Positions" from menu at the left
- Search for requisition number 1400664
- Click "View" for the job announcement from the resulting search results