The National Snow and Ice Data Center (NSIDC), part of the Cooperative Institute for Research in Environmental Sciences (CIRES) at the University of Colorado Boulder, serves as a national information and referral center in support of snow and ice research. NSIDC is a trusted source of cryospheric data and services, and is a leader in research and development within this field.

POSITION OVERVIEW

NSIDC seeks a new member for the **Data Operations** team to manage and support NSIDC’s archive of satellite, aircraft, and ground data. The team operates numerous data systems, including the NASA EOSDIS Core System (ECS), which supports data from the NASA Terra, Aqua and ICESat satellites. Additionally, operations monitors and triages NSIDC’s custom software systems and works closely with local development teams to provide input on system organization and gain insight into upcoming software.

**DUTIES**

Performs routine operation of EOSDIS Core System:
- Monitors ingest, archival and distribution of polar orbiting satellite data.
- Troubleshoots and resolves system problems.
- Performs system performance tuning.
- Logs problem reports and configuration changes.
  - Develops scripts to extend or enhance the automation of operational processes.
  - Participates in ECS development activities and system regression testing.
  - Defines, implements, and monitors ingest/archive/distribution processes for polar orbiting satellite data and station data.
  - Performs migration of scientific data between data management systems.
  - Organizes and achieves coordinated data system objectives while working with various data center departments.
  - Authors and implements system documentation and operational procedures.

Duties may also include one or more of the following:
- Administers archives and establishes data archival policies.
- Performs data processing, ensuring accuracy and quality of science data and developing processes as required.
- Leads data management activities including implementing data access policies, managing archival metadata inventories, and overseeing data migration activities.
- Supervises Data Operations students, overseeing task assignment and completion.

**REQUIREMENTS**

- Bachelor's degree in computer science, computer information systems, or related discipline.
- Experience working in Linux/Unix.
- Experience with Perl or shell scripting, C programming, or equivalent.
- Familiarity with common workplace productivity applications, e.g. Microsoft product suites, email clients, calendaring, and wikis.
- Strong communication and organizational skills and attention to detail.
- Ability to creatively problem solve, productively manage multiple tasks, and thrive in a highly interactive team environment.

**DESIRABLE SKILLS**

- Data management experience with digital data archives of remote sensing or climate data.
- Familiarity with data management systems and interfaces established to support Earth Science research activities.
- Knowledge of Subversion, continuous integration, and software delivery.
- Experience with virtual machines, including use of vagrant, puppet, and other related tools.
- Experience with linux server administration including service configuration and task automation.

The position will be filled as a Professional Research Assistant at the University of Colorado Boulder and will be eligible for employee benefits, including 22 days of vacation (for a 100% position) per year.
To Apply:
http://www.jobsatcu.com/postings/107724

Applicants must complete the Faculty/University Staff and EEO Data (application) form, and upload the required documents:

1- Resume
2- Cover letter
3- Proof of highest degree earned (copy of diploma or unofficial transcripts)
4- List of three professional references with all contact information from whom an official written letter of recommendation will be requested at the appropriate time during the search.

Please redact all social security numbers and other confidential information in any documents you upload for your application

The University of Colorado is an Equal Opportunity Employer committed to building a diverse workforce. We encourage applications from women, racial and ethnic minorities, individuals with disabilities and veterans. Alternative formats of this ad can be provided upon request for individuals with disabilities by contacting the ADA coordinator at hr-ada@colorado.edu. The University of Colorado Boulder conducts background checks for all final applicants being considered for employment.

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