

STUDENT PROGRAMMER

Employer: CIRES National Snow and Ice Data Center, East Campus

Pay Rate: \$10 to \$14/ hr DOE, Student Assistant III or IV

Avg # hours/week: 20. Can arrange less in Fall/Spring and more in Summer

Terms for Job: Fall, Spring and Ongoing

JOB OVERVIEW

The National Snow and Ice Data Center Distributed Active Archive Center (NSIDC DAAC) on CU's East Campus has an opening for a part-time student programmer to support the programming needs of the Moderate Resolution Imaging Spectroradiometer (MODIS) and Geoscience Laser Altimeter System (GLAS) product teams. A primary component of the position will be investigating and implementing methods of visualizing MODIS and GLAS through virtual globes technologies such as Google Earth.

BASIC FUNCTIONS

- Investigate methods producing visualizations
- Design, write, test, and debug software
- Prepare documentation describing the design and use of computer programs and procedures
- Other duties as assigned

REQUIREMENTS

- Knowledge of UNIX (linux and Mac OS)
- Demonstrated experience with perl or other similar languages
- C/C++/Java programming experience
- Experience with XML
- Can provide code and documentation examples showing related computer engineering skills
- Ability to meet deadlines with minimal supervision
- Ability to work well with others and to accept direction, supervision, and performance feedback

DESIRABLE SKILLS

Also desired is interest in and knowledge about geographic concepts such as geographic projections, experience developing KML files for Google Earth or the equivalent for other virtual earth products, and familiarity with remote sensing techniques.

TO APPLY

To apply, send a cover letter/email and resume to Ruth Duerr at rduerr@nsidc.org or fax 303.492.2468 or mail to 449 UCB, Boulder, CO 80309-0449.

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