

Java Scientific Programmer (Part time)

The HDF Group, formerly of NCSA, is a non-profit corporation located in the South Campus Research Park. We have an opening for an hourly student or other part-time programmer (10-20 hours/week) to do software development work related to scientific data management on Hierarchical Data Format (HDF) for the rest of the fall 2009 semester and 2010 spring semester. Continued employment into the summer and subsequent academic years is possible.

HDF is a file format and a set of library routines and utilities for storing, accessing and visualizing scientific information. HDF is widely used in the scientific community. It is the standard format for NASA's Earth Observing System, one of the largest data management projects in existence. HDF software supports many computing platforms, including most UNIX workstations and clusters, Windows and Macintosh. The primary clientele for HDF includes programmers, engineers and scientists from a wide range of disciplines. Visit <http://hdfgroup.org> for more information.

The person working in this position will be responsible for converting an existing open-source bioinformatics data viewer to work as a plugin to HDFView. This position requires some knowledge of molecular biology. This knowledge does not need to be in-depth – a candidate just needs to know enough to understand the source code of the potential plugin. The knowledge gained from a freshman biology course would probably be fine.

The required skills we are looking for in a candidate are:

- Strong Java background.
- Ability to do graphics programming in Java using Swing.
- Some background in molecular biology (see above).
- A responsible work ethic.

The following skills are desired, but not required:

- Experience with Test Driven Development (TDD).
- Ability to work with source code control.
- Knowledge of HDF would be a big plus but is not required.

To apply, please email your resume and a brief cover letter to jobs@hdfgroup.org.

The HDF Group is an equal opportunity employer.