Computer Science Student Assistantship: -microarray database project-

During the Spring term of 2008, my laboratory (http://online.sfsu.edu/~stillmaj) and the Center for Computing in the Life Sciences (http://cs.sfsu.edu/ccls) is seeking to hire a graduate or advanced undergraduate student in the computer science department to work on completion of the Porcelain Crab Array Database (PCAD, http://array.sfsu.edu) at SFSU. This database will be used to serve and analyze microarray and genome sequence data generated by the Stillman laboratory as well as other SFSU laboratories.

The ideal candidate for this project will have a working knowledge of the following:

1. Experience with Linux installations and RedHat Linux Enterprise 4
   - Installing and removing RPMS, Yum
   - Familiarity with gcc, make commands, configure/unix commands
   - Configuration and usage of Apache web server.
   - Good knowledge and understanding of PostgreSQL (database)
   - Basic understanding of where configuration files are stored. Experience with editing configuration files (e.g., postgresql.conf, httpd.conf)
   - Experience with VI or other Linux based text editor
   - Experience with stopping and starting services in Linux
2. Networking experience.
   - Basic understanding of TCP/IP
   - Experience with setting up IP address, DNS entry and Hostnames on a Linux box
3. Programming experience
   - Good knowledge of scripting languages like Perl
   - Basic idea of web services and html

This position pays $14/hr, and the amount of work will be 10-15 hours per week for the entire semester.

Interested and qualified students should submit by e-mail a letter of application, resume, and contact information for 2 references to Dr. Jonathon Stillman (stillmaj@sfsu.edu) by February 1, 2008.