The ever increasing amount of data flowing into biological databases shows no signs of leveling off. Sequencing technology is improving at an unprecedented rate, bringing down the time it takes to decipher entire genomes to a matter of days. Making sense of this data by predicting molecular function is a time-consuming and tedious manual task.

Our group which is part of the Biomolecular Function Discovery Division at the Bioinformatics Institute (BII) is developing an advanced tool for functional characterization of sequences and strives to establish the ANNOTATOR software environment as the de-facto standard in this field.

We are looking for a

Software Developer - User Interface

The successful candidate will be responsible for designing and implementing the web-based user-interface of the sequence analysis software. This includes the following task:

- Development and maintenance of the general web user interface including server side components written in Java/Struts as well as client side code using HTML/Javascript/CSS.
- Development and maintenance of Symbiont, the AJAX-based sequence viewer of the ANNOTATOR.
- In close cooperation with other members of the team develop web interface components for newly integrated algorithms and object views.
- Ensure portability and optimize performance of web user interface.
- Develop and maintain a world-wide accessible wizard-style web interface for the ANNOTATOR.
- Write tests and documentation for new features.
- Troubleshooting and Bug-fixing.

Qualifications needed:

- Good feeling for design issues.
- Java (since this is a client-server application the implementation of the user-interface will also include a considerable amount of server-side programming)
- Tomcat
- AJAX (Javascript/HTML/CSS)
- We are working in a Unix-environment using Eclipse as an IDE, familiarity with Unix is therefore a prerequisite.

Please submit your detailed resume via email to recruit@bii.a-star.edu.sg or send it to the HR Department, Bioinformatics Institute, 30 Biopolis Street, #07-01, Matrix S(138671).