Coop Opportunity at the Broad Institute

Job Description:

Seeking an undergraduate student to help with the development of data analysis modules and an associated web tool to analyze hundreds of datasets generated from profiling human samples for small molecules in blood plasma. The goal of these experiments is to identify early markers of disease including those that are hallmarks of cancer, diabetes and other conditions.

This position will focus on an ongoing effort to create and implement a powerful new software package for the analysis and visualization of complex, multi-dimensional data. As part of the coop experience, you will learn more about biomedical research and contribute to the development of novel algorithms and tools in the fields of metabolomics and computational biology.

Requirements:

The person hired into this co-op position will need to have:

- excellent programming skills in Java (other modern programming languages also acceptable)
- prior experience or knowledge with scripting for web applications
- interest in or familiarity with statistics packages (e.g. R, MATLAB, etc) is desirable

A curiosity about or some knowledge of biomedical research is a decided bonus but not required for this position. One of the goals of this coop position is to introduce you to biomedical research and the need for computational approaches in this area of scientific inquiry.