Student Hourly Employment Opportunity: Object-Oriented Software and Database Development

The Great Lakes Bioenergy Research Center (GLBRC) is one of three Department of Energy Bioenergy Research Centers conducting fundamental, genomics-based research on microbial and plant systems required to realize the national need for low-cost biofuels. GLBRC represents a multidisciplinary partnership with expertise spanning the physical and biological sciences, including genomics, microbial and plant biology, analytical chemistry, computational biology and bioinformatics, and engineering.

We seek a highly motivated student hourly programmer to participate in design, development, and testing of in-house data repositories and custom software.

Required knowledge, skills and experience:
- Object Oriented Programming (CS 302 or equivalent experience in Ruby, Java, C++, Python, or similar modern language)
- Data Structures (CS 367 or equivalent)
- Familiarity with HTML, CSS and Java Script
- Linux
- Multiple language experience
- Relational database principles
- Demonstrated ability to clearly document code
- Ability to work 35 to 40 hours per week during the summer and 12 to 20 hours most weeks during the academic term, primarily during “normal business hours”

Beneficial skills and experience:
- Ruby on Rails
- R
- Web application development
- Comfortable with SQL
- Version control system (e.g., Subversion, Git)
- Some knowledge of molecular biology or bioinformatics
- Agile development methods

Pay rate: $10.00 to $12.50 per hour, depending on experience and qualifications

How to Apply:
Submit résumé to David Benton, Director, Informatics and Information Technology, GLBRC (dbenton@glbrc.wisc.edu)