Student Hourly Employment Opportunity: Software 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. The incumbent will learn Ruby on Rails and participate in further development of an existing Rails application. Other tasks may be assigned in the future as needed.

Required knowledge, skills and experience:
- Competence in computer programming. This includes understanding of fundamental programming paradigms and good practices, basic knowledge of object-oriented programming principles, and hands-on programming experience in any language
- Basic familiarity with web application technologies, e.g., HTML, CSS, Java Script
- Ability and willingness to learn new skills
- Ability to work independently
- Linux and Windows OS
- Ability to work at least 10 hours per week during normal business hours on most weeks

Beneficial skills and experience:
- Ruby on Rails
- MVC paradigm
- Version control system (e.g., Subversion, Git)
- R programming language
- Relational database principles and SQL
- Modern development methodologies, e.g., Agile and test-driven development
- Some knowledge of statistics, data mining or data visualization techniques
- Some knowledge of molecular biology or bioinformatics

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

How to Apply:
Submit résumé to Yury V. Bukhman (ybukhman@glbrc.wisc.edu)