Working Title: Computational Biology Software Developer/Database Designer

Official title: PROGRAMMER ANALYST (T06DN) or ASSOC PROGRAM ANALYST (T06FN)

Degree and area of specialization:
B.S. or M.S. in Computer Science or related field.

Minimum number of years and type of relevant work experience:
Experience with web-application development and database design and implementation, ideally with Ruby on Rails. Experience with designing and implementing large-scale relational databases with Oracle or MySQL. Programming experience in Ruby on Rails, JavaScript, R, Java, C++, C#, Perl, PHP and/or Python.

Experience with JQuery, automated testing, version control (SVN or git), Bioconductor, BioPerl, BioRuby, Apache and bioinformatics tools and applications is also desirable. Some knowledge of molecular biology and/or statistics would be welcome.

Principal duties:
The Great Lakes Bioenergy Research Center (GLBRC) is housed at the University of Wisconsin with collaborators at Michigan State University and other universities and national labs. The GLBRC is one of three Department of Energy centers established to conduct fundamental, genomics-based research on microbial and plant systems required to realize the national need for low-cost biofuels.

As a member of a research team of faculty, staff and post docs, the Computational Biology Software Developer/Database Designer will be part of an Informatics team supporting the research objectives of the GLBRC in scientific computing and computational infrastructure. The position requires a highly motivated team player who will participate in the design and implementation of custom web-based and desktop applications and databases for use by GLBRC scientists. Specific duties may include database design and implementation, user requirements gathering, software analysis, design, implementation, testing and support. This will require effective communication and collaboration with end users (including researchers and bench scientists), bioinformaticians, software developers, and operational IT personnel.

The candidate will design, develop, maintain and operate scientific and analytical software, databases and knowledgebases required by GLBRC. The well-qualified candidate will have knowledge of and experience in developing and maintaining medium-to-large scale strategic solutions in a research environment, using best practices and with minimal supervision, and will be sensitive to the needs of a collaborative but geographically dispersed research environment. The candidate will also help in developing and managing user training courses and sessions and should be comfortable communicating in a variety of formats to scientists, management and staff at all levels of a research institution.

This position requires the ability to work both in a team and independently and the ability to communicate and collaborate with members of an inter-disciplinary team. The willingness and ability to rapidly learn new skills, concepts and technologies is vital.

This position offers an opportunity to play an important role in creating a keystone research center for the first great national challenge of the 21st century, sustainable energy independence. For additional information regarding the GLBRC, visit our website: http://www.glbrc.org.

A criminal background check will be conducted prior to hiring.
A period of evaluation will be required

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Employee class: Academic Staff
Department(s): ENGR-GREAT LAKES BIO
Full time salary rate: Minimum $48,000 Maximum $72,813 ANNUAL (12 months) Depending on Qualifications
Term: This is a renewable appointment.
Appointment percent: 100%
Anticipated begin date: August 15, 2015
Number of positions: 1

Department Contact:
Pam Arnold
1552 University Ave
3162 Wisconsin Energy Institute
Madison, WI 53726-4084
Phone: 608-890-2286
Phone TTY: 608-263-2473
Fax: N/A
Email: pam.arnold@wisc.edu

HOW TO APPLY:
Unless another application procedure has been specified above, please send resume and cover letter referring to Position Vacancy Listing # 83479 to the contact indicated above.

To ensure consideration, application must be received by: August 1, 2015

NOTE: Unless confidentiality is requested in writing, information regarding the names of applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

UW-Madison is required by law to request data from applicants for employment in order to monitor its recruitment and selection practices. In order for us to meet this federal reporting requirement, please go to http://www.oed.wisc.edu/reports-and-forms.htm to fill out the Voluntary Self-Identification of Disability Form and the Applicant Self-Identification Form for Protected Veterans. Please reference the Position Vacancy Number when uploading your completed forms. Completing these forms is voluntary and your responses will be kept confidential and is not considered as part of the hiring criteria.

UW-Madison is an equal opportunity/affirmative action employer. We promote excellence through diversity and encourage all qualified individuals to apply.

For more academic job opportunities at the University of Wisconsin-Madison please see http://www.ohr.wisc.edu/WebListing/Unclassified/pvl_internet_report_home.html
For more information on the University of Wisconsin-Madison Office of Human Resources please see http://www.ohr.wisc.edu/
For more information on the University of Wisconsin-Madison see our home page at http://www.wisc.edu/
For UW Madison Campus Safety Information see http://www.students.wisc.edu/safety/