

## **Senior Applications Systems Analyst/Developer**

The USA National Phenology Network (USA-NPN) serves science and society by promoting a broad understanding of plant and animal phenology and the relationships among phenological patterns and all aspects of environmental change.

The USA-NPN is hiring a full stack LAMP programmer to advance the Network's research infrastructure. Candidate's primary responsibilities will be focused on maintaining existing web infrastructure and database in order to support incoming data streams and the development of data products from USA-NPN's Nature's Notebook plant and animal phenology program. The employee will create reports for team members by manipulating the SQL database to export data in a variety of formats.

Outstanding UA benefits include health, dental, and vision insurance plans; life insurance and disability programs; paid vacation, sick leave, and holidays; UA/ASU/NAU tuition reduction for the employee and qualified family members; state retirement plan; access to UA recreation and cultural activities; and more!

### **Duties**

- Maintain and enhance existing web infrastructure, fixing bugs and adding new features. Includes: web based data entry interface, web services and data output tools, mainly using Java and PHP;
- Prioritize incoming data report requests, generate and deliver reports to science team members;
- Contribute to troubleshooting and resolving issues with the server infrastructure;
- Contribute to data delivery tools and data products;
- Respond to requests for user support on web applications and database, and troubleshoot applications problems;
- Meet with USA-NPN team to communicate progress and specify new software requirements;
- Write software, database, and infrastructure documentation;
- Provide support for USA-NPN's Drupal website;
- Provide limited system administration for USA-NPN servers.

### **Required Knowledge, Skills and Abilities**

- Five years of experience in programming applications systems; OR, an Associate's degree in Computer Science or related field AND four years of experience in programming applications systems; OR, Bachelor's degree in Computer Science or related field AND two years of experience in programming applications systems; OR, Any equivalent combination of experience, training and/or education.
- Programming and database management skills, including: MySQL, PHP, Java, and HTML5.
- Basic skills using UNIX command-line interface.
- Knowledge of writing computer applications for the web.
- Knowledge of software analysis and design.
- Knowledge of software versioning systems: SVN or Git.
- Knowledge of content management systems.

- Task and time management skills.
- Strong communication and interpersonal skills.

**Preferred Skills and Abilities**

- Advanced degree in relevant field.
- Additional years of experience.
- Analytical skills and familiarity with one of more of the following software packages: R, Python, Matlab.
- Experience working with large datasets and/or geospatial data.
- Familiarity with any of the following frameworks or tools: CakePHP, Java Server Faces 2.0, Android SDK, iOS development.
- Skill in administering, maintaining, and using Drupal or other content management systems.
- Ability to transform scientists' feedback into specific tasks to improve software.

To apply, please submit your online application including a cover letter, contact information for three professional references, and resume.

Review of applications will begin May 22, 2015. Position will remain open until filled.

This is a temporary, one year position, with the possibility to extend depending on performance and the availability of funding.

Annual salary: \$48,000-53,000 depending on experience.

This is a Classified Employee position.