11-Jul-2018

DT Software Developer (FWS Eligible)
Student Worker IV
43390BR

Job Description

Decision Theater is seeking a DT Software Developer.

At Decision Theater we work with cutting edge technology and a diverse team of people. Decision Theater delivers web-based interactive models that help decision makers make informed decisions (on topics ranging from education to water resiliency).

We work with visualization libraries such as D3, echarts and many others to visualize data and create interactive multi-screen dashboards using our own web-based framework called chainbuilder.

We also create single-screen web applications destined for public or private use using other frameworks like Django, Laravel and many others.

Student Recruitment Type
Student Hire Hourly

Department Name
Decision Theater

VP Code
KNOWLEDGE ENTERPRISE DEV

Campus/Location
Campus: Tempe

Full-Time/Part-Time
Part-Time

Scope of Search
Open

Grant Funded Position
This is not a grant funded position and is not contingent on future grant funding.

Salary Range
$12.00 - $14.00; DOE

Close Date
30-July-2018

Essential Duties

- Extract, manipulate, and store data from a wide variety of sources for use in numerous applications.
• Work with members of teams working on different projects to develop domain-specific software to assist in the production of high quality deliverables.

• Design, develop, implement, test, document and maintains scientific and engineering software applications.

• Analyze and write software functionality requirements, designs specifications, manuals and user's guides.

• Review, modify and rewrite existing software to optimize it or adapt it to fit new requirements.

• Research, evaluate, and implement third-party products and vendor applications.

• Enforce and maintain technical standards, performs design and code reviews for the development team through implementation of best practices and technical standards.

Minimum Qualifications

This classification is limited to teaching/research assistants-type work or those positions requiring highly specialized skills and/or technical knowledge.

Desired Qualifications

Minimum Qualifications:

• Available to work approximately 20 hours per week.

• Currently a full-time student pursuing undergraduate or master’s degree in an engineering discipline.

• Proven experience with creating web-based visualizations using javascript.

• Extensive experience/knowledge of object-oriented PHP 5.x development.

• Demonstrates strong working knowledge regarding writing and running programs using a Linux command line environment.

• Creates and updates documentation on application design and implementation.

• The ability to implement theoretical concepts and mock ups into real products and solutions.

• Good communications and interpersonal skills are required for being able to work in a team environment and communicate technical and non-technical challenges.

Desired Qualifications

• A background or strong interest in the social sciences, history, human geography, or geographic information systems.

• Experience using agile project management software, preferably JIRA.

• At least two years of thorough experience in developing PHP applications.
• Experience working with the Linux emulation software Cygwin.

• Experience with visualization libraries such as d3, echarts, three.js.

• Experience with web development using javascript, jQuery, php, VueJS, etc.

• Experience with PostreSQL or other object-relational database management systems.

• Experience with Linux server administration tasks.

• Experience with frameworks such as Django, Laravel, etc.

• Leadership experience – leading small teams of developers.

• Experience working in team environment – GIT.

**Working Environment**

• Activities are primarily performed in a regular, climate-controlled office setting subject to extended periods of sitting, standing, walking.

• Visual acuity and manual dexterity associated with daily use of desktop computer; bending, stooping, reaching and lifting up to 20 pounds.

• Ability to clearly communicate verbally in English, read, write, see, and hear to perform essential duties. Regular review of completed tasks.

**Department Statement**

The Office of Knowledge Enterprise Development is committed to Advancing Research, Innovation, Entrepreneurship and Economic Development. We seek research funding, support faculty researchers, nurture partnerships with external partners, promote innovation and entrepreneurship and share what we learn with the community and the world. We make discovery possible. http://research.asu.edu

**ASU Statement**

Arizona State University is a new model for American higher education, an unprecedented combination of academic excellence, entrepreneurial energy and broad access. This New American University is a single, unified institution comprising four differentiated campuses positively impacting the economic, social, cultural and environmental health of the communities it serves. Its research is inspired by real world application blurring the boundaries that traditionally separate academic disciplines. ASU serves more than 90,000 students in metropolitan Phoenix, Arizona, the nation’s fifth largest city. ASU champions intellectual and cultural diversity, and welcomes students from all fifty states and more than one hundred nations across the globe.
ASU is a tobacco-free university. For details visit www.asu.edu/tobaccofree

AmeriCorps, Peace Corps, and other national service alumni are encouraged to apply.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

Instructions to Apply

Application deadline is 3:00PM Arizona time on the date indicated.

Please include all employment information in month/year format (e.g., 6/88 to 8/94), job title, job duties and name of employer for each position.

Resume should clearly illustrate how prior knowledge and experience meets the Minimum and Desired qualifications of this position.

ASU does not pay for travel expenses associated with interviews, unless otherwise indicated.

Only electronic applications are accepted for this position.