**ASU** Arizona State University

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25-Sep-2024
# Software Developer (FWS Eligible)
Student Worker IV
104880BR

## Job Description

Decision Theater is looking for skilled students who have experience working with web development technologies. In this role, you will take part in an internship-like experience working on impactful projects with public impact. Decision Theater is a complex systems visualization and modeling center at ASU. We work with cutting edge technologies and a diverse team of people. The Decision Theater works with researchers, policy-makers and industry to develop custom, web-based interactive models to inform decision-making on topics including education, resiliency, security and health. 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 frameworks like Django, Laravel and many others.

**Student Recruitment Type**

Student Hire Hourly

**Campus/Location**

Campus: Tempe

**Department Name**

Decision Theater

**Full-Time/Part-Time**

Part-Time

**VP Code**

KNOWLEDGE ENTERPRISE DEV

**Scope of Search**

Open

**Grant Funded Position**

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

**Salary Range**

$17.40 - $21.00 per hour; DOE

**Close Date**

09-October-2024

**Essential Duties**

- Develop software applications writing clean, efficient code based on specifications.

- Extract, manipulate, and store data from a wide variety of sources.

- Develop back-end and front-end components to improve responsiveness and overall performance.

- Design, develop, test, document and maintain scientific and engineering software applications.

- 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 standard.

## Minimum Qualifications

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

## Desired Qualifications

- Available to work approximately 20 hours per week.
- Currently a full-time student pursuing undergraduate or master's degree in an engineering discipline.
- Experience as a Web Developer working with JAVA/PHP/Python.
- Expertise in at least one of the popular backend frameworks (Laravel, Django, Flask...).
- Experience using ORM (Object Relational Mapping).
- Experience with web development using HTML, CSS, JavaScript, VueJS or any JavaScript framework.
- Experience working on visualization libraries like d3, echarts, three.js.
- Proven experience creating web-based visualizations using JavaScript.
- Extensive experience/knowledge of object-oriented development.
- The ability to implement theoretical concepts and mockups into real products and solutions.
- Familiarity using agile project management software, preferably JIRA.
- At least two years of thorough experience in developing Python applications.
- Experience working with version control, preferably GIT.
- Experience with PostgreSQL or other relational database management systems.
- Experience writing unit tests, functional tests and code deployments.
- Leadership experience leading small teams of developers.
- Experience with Linux server administration tasks.

## Working Environment

ASU is a diverse enterprise with a wide variety of work and learning modes, locations, and a commitment to sustainability, innovation, and employee work-life balance. We are determined to maintain our position as an employer of choice within a competitive market. Employees in the department will have the opportunity to negotiate flexible work options.

## Department Statement

Decision Theater no contact policy:

During the application process, we request your patience in the timeliness of response. Please refrain from reaching out via email or telephone regarding the application.

## 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 100,000 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 https://wellness.asu.edu/explore-wellness/body/alcohol-and-drugs/tobacco

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

## Notice of Availability of the ASU Annual Security and Fire Safety Report

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources.  ASU's Annual Security and Fire Safety Report is available online at https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf.  You may request a hard copy of the report by contacting the ASU PD at 480-965-3456.

Relocation Assistance – For information about schools, housing child resources, neighborhoods, hospitals, community events, and taxes, visit https://cfo.asu.edu/az-resources.

**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.

**IMPORTANT NOTE:** What is the meaning of "equivalent combination" in the minimum qualifications? It means one year of higher education or 24 credit hours, is equal to one year of experience. For example, a four year Bachelor's degree is equal to four years of experience.

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