

Position Description

POSITION PROFILE

Position Title: Computer Science Department Student Worker

EOU Department/College: College of Science, Technology, Mathematics, and Health Sciences (STMHS)

EOU Supervisor Title: Tim Harrison, Assistant Professor of Computer Science

Typical Job Duration: Academic year, with potential for summer work depending on project needs and performance.

Job Level: \$15.20, Level 5

Type of Schedule/Typical Hours: Part-time; flexible hours, primarily scheduled around class times with the possibility of some remote work depending on project needs. Typically requires 10-15 hours per week.

Typical Number of Hours Per Week: 10-15 hours

POSITION INFORMATION

Student Position Description Summary:

The Computer Science Department Student Worker assists the department by investigating, analyzing, assessing, and developing software tools to enhance the learning and teaching environment. This role involves close collaboration with faculty and other students to improve and integrate software tools within the department's curriculum.

Job Duties/Responsibilities/Essential Functions:

Work with CS instructors to identify software tools in the following (non-exclusive) areas:

- Interactive Development Environments (IDEs)
- Automated software assessment systems to assess
- Program behavior compliance with requirements
- Programming style
- Programming plagiarism
- Electronic interactive textbooks (such as ZyBooks, Pearson Revel and Runestone)
- Cloud development environments
- Class development environment distribution (Jupyter, Docker, Kubernetes)

Analyze software tools in the aforementioned areas:

- Determine hardware and software requirements
- Compare features
- Assess reliability and stability
- Integration with the Canvas LMS
- Assess the viability of these tools in the EOU computing environment
- Develop prototypical and production installations of software tools in the EOU computing environment

Develop a CS Department website. Possible assets:

- Advising information
- Software tools video tutorials
- How to use a text editor
- An introduction to the Linux (file system, tools, commands)
- Gmail labels
- Email etiquette
- CS helpful links

HIRING CRITERIA

Minimum Qualifications:

- Attending EOU, enrolled in a minimum of six (6) academic credits
- In good academic standing
- Junior, Senior, or Post-Baccalaureate
- Minimum GPA: 3.0

Preferred Qualifications:

- Satisfactory completion of CS 260 and CS 221, or equivalents.
- Demonstrated ability to write technical documentation clearly and accurately.
- Time management skills.
- Self-motivated to complete tasks.
- Proficient at solving computer software problems.
- Demonstrated ability to work in a team environment.

Desired Knowledge, Skills & Abilities:

- Strong technical proficiency, particularly in software development and analysis.
- Experience or strong interest in web development and managing content management systems.
- Good understanding of computer science concepts and software evaluation.
- Ability to create clear, user-friendly documentation and tutorials.
- Skills in problem-solving, critical thinking, and project management.

STUDENT LEARNING OUTCOMES

As a result of completing this internship, the student will:

Academic Learning Outcomes:

- Develop advanced technical skills in software development and analysis.
- Gain practical experience in evaluating and implementing software solutions.

Industry Learning Outcomes:

- Enhance understanding of software development processes and tool integration in an educational environment.

Career-Readiness Learning Outcomes:

- Build professional skills in project management, technical communication, and collaboration.

PROFESSIONAL DEVELOPMENT & TRAINING

Professional Development & Training

EOU student employees have an opportunity to engage in professional development and training as a part of the job. Supervisors support the attainment of professional development by either providing internal department-specific training and/or time reassigned from normally scheduled duties to participate in University-wide training opportunities including appropriate virtual community training opportunities.

Specific training/professional development opportunities:

Eastern Oregon University is an EEO Employer and welcomes application from women, members of historically underrepresented minority groups, US Veterans, and persona with disabilities. EOU is committed to providing equal opportunity in its recruitment, admissions, educational programs, activities and employment without illegal discrimination on the basis of age, color, disability, national origin, race, marital status, religion, sex, sexual orientation, gender identity, gender expression or any status as protected by state or federal law.

- *[job-specific training from your department]*
- *[University and virtual community training/events specific to the student position]*
- Multicultural-sponsored training, activities, and events
- Career exploration activities via Career Services
- EO Career Expo Career-Ready symposium First Wednesday in April
- Resume Review with Career Services and/or WorkSource Oregon

LEARNING ASSESSMENT & PERFORMANCE EVALUATION

Learning Assessment and Performance Evaluation

Once a term, student employees and supervisors meet to discuss the progress on completing the position's learning outcomes and the employee's job performance. Specifically:

- Adjustments to the learning outcomes and job duties as needed in order to meet the outcomes
- Upcoming training and professional development opportunities
- On-the-job performance feedback and the level of meeting job duty expectations
- Application of coursework to the workplace, job duties, and learning outcomes
- Application of possible connections to future career-related interests and coursework