

Position Description

POSITION PROFILE

Position Title: Computer Science Department Intern

EOU Department/College: CS Department

EOU Supervisor Title: Assistant Professor of Computer Science

Typical Job Duration: 2024-2025 School Year

Job Level: Level 5, \$15.70

Type of Schedule/Typical Hours: Flexible

Typical Number of Hours Per Week: 10

POSITION INFORMATION

Student Position Description Summary:

Assist the EOU Computer Science (CS) Department with investigating, analyzing, assessing, and developing software tools that enhance the software environments students and instructors use.

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 areas mentioned above
- 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 tool video tutorials
- How to use a text editor
- An introduction to Linux (file system, tools, commands)
- Gmail labels
- Email Etiquette
- CS self-help links

HIRING CRITERIA

Minimum Qualifications:

- Attending EOU enrolled six (6) academic credits
- In good academic standing
- 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.

Preferred Qualifications:

- Satisfactory completion of CS 330 Database Management Systems
- Satisfactory completion of CS 361/362 Software Engineering

- Satisfactory completion of CS 314 Architecture
- Satisfactory completion of CS 335 Networking
- Experience with MS Windows 10+, MacOS X+, and Linux development
- Experience using a Chromebook
- Experience using a Raspberry Pi
- Experience with web development (front end and back end)

Desired Knowledge, Skills & Abilities:

STUDENT LEARNING OUTCOMES

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

Academic Learning Outcomes:

- teamwork skills
- time management acumen
- task decomposition and management skills
- technical documentation skills
- ability to develop a project plan
- ability to create professional status reports
- ability to build software on multiple computing platforms
- ability to critically analyze and assess software tools
- ability to use version control systems
- ability to use unit testing software
- ability to use word processing software in a professional manner
- ability to develop and present professional

Industry Learning Outcomes:

Career-Readiness Learning Outcomes:

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:

- *[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