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| **ASSOCIATE SOFTWARE ENGINEER (MULTIPLE POSITIONS)** |
| |  |  | | --- | --- | | Req #: | 210005 | | Department: | eSCIENCE INSTITUTE | | Job Location: | Remote/Hybrid,  Seattle Campus | | Posting Date: | 02/26/2024 | | Closing Info: | Closes On   03/08/2024 | | Salary: | $7,302 - $10,000 per month | | Other Compensation: |  | | Shift: | First Shift | | Benefits: | As a UW employee, you will enjoy generous benefits and work/life programs. For a complete description of our benefits for this position, please visit our website, [click here.](https://hr.uw.edu/wp-content/uploads/sites/3/2018/02/benefits-professional-staff-librarians-academic-staff-20230119_a11y.pdf)   For more information on the UW Scientific Software Engineering Center at the eScience Institute, visit the [eScience website](https://escience.washington.edu/uw-scientific-software-engineering-center/). | |
| As a UW employee, you have a unique opportunity to change lives on our campuses, in our state and around the world. UW employees offer their boundless energy, creative problem-solving skills and dedication to build stronger minds and a healthier world.   UW faculty and staff also enjoy outstanding benefits, professional growth opportunities and unique resources in an environment noted for diversity, intellectual excitement, artistic pursuits and natural beauty.   The University of Washington’s eScience Institute was founded in 2008 to promote data science adoption and methods development across all areas of science, engineering, arts, and humanities. There is a large and growing need not just for data science talent, but also for research software engineering expertise. To address this need, the University of Washington’s eScience Institute is leveraging support from Schmidt Futures to build a Scientific Software Engineering Center (SSEC). The primary goal of the SSEC is to support the development of infrastructure and capacity within the University of Washington (UW) to address difficult scientific software problems. The values of diversity, equity and inclusion are integral to the success of this research enterprise and are embedded in the culture of who we are as an institution and as an employer. The eScience Institute and SSEC share President Cauce’s commitment to combat inequities and racism.    **The eScience Institute** is seeking outstanding candidates for the position of **Associate Software Engineer** (multiple openings).   Software engineering is vital to Seattle’s emergence as a tech leader driving a local climate of innovation. The new Scientific Software Engineering Center (SSEC) at UW’s eScience Institute will leverage local software engineering talent to advance scientific frontiers that will change the world around us and respond to the pressing challenges that face humanity.   We are building a diverse team of software engineers who will bring their unique backgrounds and expertise to the UW community. These software engineers will work on impactful research projects, infusing them with the software industry’s best practices, and delivering reusable, open source software that will accelerate future research in areas like climate change, health, energy and basic science.   We are looking for qualified software engineers with dual backgrounds in science and technology, who will be central to the SSEC mission to support data driven research by enabling the development of new software tools and user communities serving greater scientific goals.   **RESPONSIBILITIES**  This position will be part of a new endeavor to create a collegial, creative team, collaborating with University researchers to improve efficiency and reproducibility of research outcomes. Responsibilities will focus primarily on software application design and implementation, and will also be involved with research design and collaboration, problem resolution, and project work. The position reports to the SSEC Head of Engineering (UW title: Sr. Principal Research Scientist/Engineer).   **Design and Implement Applications**  - Assist with design and implementation of applications/systems that offer a wide range of functionalities to the user population.  - Support the creation of content and contribute to initiatives led by other software engineers. Contribute to other deliverables as designed by SSEC leadership.   **Collaborate With Research Design**  - Collaborate with researchers in the design, planning, and implementation software that enriches research productivity and reliability.  - Build understanding of research activities through regular engagements.  - Support more senior software engineers by contributing to internal code design and development guides for future contributors.   **Problem Resolution/Project Tasks**  - Perform analysis and troubleshooting for application issues and process challenges.  - Responsible for the successful completion of assigned project tasks with supervision.  - Provide routine project status updates to the SSEC Center Lead (RSE-Sr. Principal).  - Participate in all aspects of improving the team, including education/training of other team members and contributing to process/communication improvement initiatives.  - Work with a manager to set professional goals for career development.    **REQUIREMENTS**  - Bachelor’s Degree in Computer Science, Electrical Engineering, or a related field.  - **Minimum of 3 years of previous experience in software engineering, software QA/QC, or similar.**  - Experience cultivating positive and productive professional relationships with individuals from diverse social, cultural, and political contexts and ability to build rapport quickly.  - Experience with design and implementation of applications/systems.  - Experience programming with at least one modern language such as Python, Java, C++ including object-oriented design.  - Experience using Git for source-control, continuous integration, and release management   *Equivalent education and/or experience may substitute for minimum requirements.*   **DESIRED**  - Experience with software infrastructure, cloud deployment, high performance computing, and scalable architectures.  - Strong understanding of most phases of software development or lifecycle.  - Experience documenting Operational Systems / User Guides.  - Knowledge of database structures, data definitions and data relationships.  - Excellent written and oral communication skills and excellent problem-solving skills.   **CONDITIONS**  - Periodically available for phone calls/meetings in the early morning and late evenings to accommodate nationwide time differences.  - Deadline-driven environment, occasionally requiring extended hours and/or work on weekends.   Application Process:  The application process for UW positions may include completion of a variety of online assessments to obtain additional information that will be used in the evaluation process. These assessments may include Work Authorization, Cover Letter and/or others. Any assessments that you need to complete will appear on your screen as soon as you select “Apply to this position”. Once you begin an assessment, it must be completed at that time; if you do not complete the assessment, you will be prompted to do so the next time you access your “My Jobs” page. If you select to take it later, it will appear on your "My Jobs" page to take when you are ready. **Please note that your application will not be reviewed, and you will not be considered for this position until all required assessments have been completed.** |
| Committed to attracting and retaining a diverse staff, the University of Washington will honor your experiences, perspectives and unique identity. Together, our community strives to create and maintain working and learning environments that are inclusive, equitable and welcoming.  [The University of Washington is an affirmative action and equal opportunity employer.](https://ap.washington.edu/eoaa/) All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.  To request disability accommodation in the application process, contact the Disability Services Office at 206-543-6450 or [dso@uw.edu](mailto:dso@uw.edu).  Applicants considered for this position will be required to disclose if they are the subject of any substantiated findings or current investigations related to sexual misconduct at their current employment and past employment. Disclosure is required under [Washington state law](https://app.leg.wa.gov/RCW/default.aspx?cite=28B.112.080). |