

**Washington State University Tri-Cities  
Voiland College of Engineering and Architecture  
School of Engineering & Applied Sciences**

**DESCRIPTION OF POSITION**

The School of Engineering & Applied Sciences at Washington State University (WSU), at its Tri-Cities campus in Richland, WA, invites applications for a position of Instructor of Computer Science. Fluency is required in the C and C++ programming languages and knowledge of additional contemporary languages such as Java, JavaScript, C#, Rust, ML, Haskell, Python and Swift is welcome. Of particular interest are applicants with professional experience and interests that lie at the intersection of computer science and management information systems and include software engineering, as the emphasis of this position is in computer science.

At WSU, instructors are primarily engaged in teaching undergraduate courses, including laboratory classes and design courses; instructors also engage in service commensurate with the scope of their appointment. The successful candidate will be expected to provide outstanding teaching at the undergraduate level, mentor undergraduate students, contribute to professional and university service, and participate broadly in the evolution of the school's BA and BS computer science programs, which are accredited by the CAC commission of ABET. In the State of Washington computer science graduates are in high demand.

The School of Engineering & Applied Sciences (SEAS) is WSU's latest academic unit and an integral unit within the university's Voiland College of Engineering and Architecture. SEAS has established international education partnerships with leading overseas universities and actively collaborates with the nearby Pacific Northwest National Laboratory (PNNL), a world-class Department of Energy research enterprise that advances the frontiers of science and engineering and offers numerous internship and projects opportunities to our students.

Ideally, candidates will have a passion for teaching and enthusiasm for involving undergraduate students in project-based learning. Candidates will also have an opportunity to collaborate with overseas colleagues at our partner universities and engineering and computer science professors in SEAS and at other WSU campuses.

**SALARY**

This is a continuously renewable Instructor position with a 9-month academic appointment at the Washington State University Tri-Cities campus in Richland, WA. Additional summer teaching appointments are also possible. Appointment and salary are commensurate with qualifications and experience. The position is to begin no later than August 15, 2018.

**DUTIES AND RESPONSIBILITIES**

- Develop and teach undergraduate courses in computer science, fostering experiential learning
- Contribute to advising and mentoring of undergraduate students
- Contribute to the development of a management information systems minor, to be offered by WSU's Carson College of Business and completed by SEAS' students on the Tri-Cities campus
- Participate in service to the department, college and/or university through committee work, recruitment, and interaction with industry
- Advance the college's commitment to diversity and multiculturalism among its faculty, staff, students through teaching, and community outreach
- Collaborate closely with other appropriate faculty throughout the School, Voiland College, and WSU

## QUALIFICATIONS

### Required

- Earned Master's degree in computer science, prior to the hire date
- Fluency in the C and C++ languages.
- Demonstrated expertise in computer science
- Ability to develop and teach undergraduate courses in computer science at all levels, particularly at the freshman and sophomore levels
- Commitment to teaching excellence
- Ability to communicate effectively with both students and colleagues in written and verbal forms

### Preferred

- Earned doctorate in computer science, prior to the hire date
- Skills in additional contemporary programming languages
- Excellent communication abilities in written and verbal forms
- Minimum of one year of professional experience in computer science
- Completed applied projects (e.g., open source) in computer science
- Ability to initiate novel teaching approaches, advancing the pedagogy of computer science

## APPLICATION PROCESS

Applications are accepted on-line at: <https://www.wsujobs.com/postings/38358>. The following application materials are required: a substantial letter of application that describes how the applicant's education and experience meet qualifications for the position, a statement of teaching philosophy that includes views on the teaching of object-oriented and procedural programming paradigms, an example of C or C++ code approximately 200 lines in length written entirely by the candidate, and a list of the existing WSU computer science courses that each applicant can teach along with any new courses proposed for development.

Candidates are also required to submit a complete *curriculum vitae* and contact information for three references with e-mail and telephone number. Screening will begin on June 1, 2018 and will continue until the position is filled. Only electronic application materials will be considered. For any inquiries, please communicate via e-mail with the search committee chair, Dr. Robert R. Lewis, [bobl@wsu.edu](mailto:bobl@wsu.edu)

## EEO STATEMENT

WASHINGTON STATE UNIVERSITY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EDUCATOR AND EMPLOYER. Members of ethnic minorities, women, disabled veterans, veterans of the Vietnam-era, recently separated veterans, and other protected veterans, persons of disability and/or persons age 40 and over are encouraged to apply.

WSU is committed to excellence through diversity, has faculty-friendly policies including a partner accommodation program, and a NSF ADVANCE Institutional Transformation grant to increase the advancement of women faculty in science, engineering and math (see <https://advance.wsu.edu/> ). This open position is part of WSU's priority to build a diverse faculty and, as such, female and minority candidates are strongly encouraged to apply.

WSU employs only U.S. citizens and lawfully authorized non-U.S. citizens. All new employees must show employment eligibility verification as required by the U.S. Citizenship and Immigration Services.

WSU is committed to providing access and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation in the application process, contact Human Resource Services: 509-335-4521(v), Washington State TDD Relay Service: Voice Callers: 1-800-833-6384; TDD Callers: 1-800-833-6388, 509-335-1259(f), or [hrs@wsu.edu](mailto:hrs@wsu.edu).