

Department: **Computer Science**

Working Title: **Undergraduate Research Assistant**

Classification: **Instructional Student Assistant**

Number of Openings: **1**

Pay Rate: **\$20/hour**

Appointment: **8 hours/week**

Expected Dates of Employment: **January 26, 2026 through May 23, 2026**

Deadline to Apply: **January 15, 2026**

Requisition #: **COMPSCI\_ISA\_SP26**

## **DUTIES OF THE POSITION**

The student will work on a funded grant in close collaboration with a faculty member and graduate student at the University of Central Florida. The student is expected to quickly develop proficiency in the C and Java programming language, C and Java development tools, the process of configuring and compiling large C and Java programs, Google's syzkaller tool, as well as collaboration tools such as GitHub and Slack. The student will be expected to help implement algorithms that analyze C and Java build and configuration tools for security weaknesses and evaluate the accuracy and coverage of these algorithms. The student will also be expected to implement and evaluate algorithms for improving configuration testing. Finally, the student will be expected to report on their results to both internal and external audiences.

## **MINIMUM QUALIFICATIONS**

The ability to learn and perform assigned work; work cooperatively with faculty, staff, and other students; and accept responsibility. Completion of specific coursework may be required in order to teach, grade, complete research, or tutor for a course. Admission or registration as a University student. Note: Exceptions to the minimum eligibility qualifications may be granted at the sole discretion of the University.

## **HIRING CRITERIA**

Required: grade of B or higher in CS 242 and CS 215 or equivalent, with equivalent C/C++ and/or Java proficiency; CS 315 preferred. Grade of B or higher in CS 252 or equivalent; CS 351 preferred. High level of reliability, initiative, and professionalism. Expected graduation date must be Summer 2026 or later. Preferred: Strong mathematics background.

## **HOW TO APPLY**

Email to [rivoire@sonoma.edu](mailto:rivoire@sonoma.edu)

## **HIRING NOTIFICATION**

Email from Suzanne Rivoire ([rivoire@sonoma.edu](mailto:rivoire@sonoma.edu))

## **SUPERVISOR**

Suzanne Rivoire, Professor of Engineering & Computer Science

## OTHER INFORMATION

- The classification, Instructional Student Assistant, is one of three classifications in a collective bargaining unit, Unit 11. Instructional Student Assistants, who must be currently enrolled University students, perform tutoring, grading, or teaching-related duties under the supervision of faculty or professional staff.
- Sonoma State University hires only individuals lawfully authorized to work in the United States. All offers of employment are contingent upon presentation of documents demonstrating the appointee's identity and eligibility to work, in accordance with the provisions of the Immigration Reform and Control Act.
- The university is an Affirmative Action/Equal Opportunity Employer. We consider qualified applicants for employment without regard to race, religion, color, national origin, ancestry, age, sex, gender, gender identity, gender expression, sexual orientation, genetic information, medical condition, disability, marital status, or protected veteran status.
- This position is considered a "mandated reporter" under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.
- Successful candidates may be required to do a background check (including a criminal records check) before work in the position can begin.

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