



**SESAIS**  
Software Engineering for  
Secure AI-based Systems



**W** SCHOOL OF ENGINEERING & TECHNOLOGY  
UNIVERSITY of WASHINGTON | TACOMA

# UNDERGRADUATE RESEARCH OPPORTUNITY

## 2 POSITIONS FOR 2 QUARTERS

The **SESAIS Lab** at UW Tacoma seeks two CSS undergraduates in the School of Engineering & Technology to work on the security of autonomous platforms—drones, self-driving cars, and mobile robots. Scan QR code for more info about the lab.



### WHO

Two UW Tacoma CSS undergraduates in the School of Engineering & Technology **eager to explore security for autonomous software systems.**

### WHAT

Join the SESAIS Lab to work hands-on threat modeling, data collection, and security evaluation of autonomous systems. Potential tasks include coding experiments, running tests, analyzing results, writing reports that could lead to conference or journal publications.

### STRUCTURE

**1<sup>st</sup> Quarter:** enroll in TCSS 499 Undergraduate Research in CSS.

**2<sup>nd</sup> Quarter:** paid engagement for 5 hours per week at \$21.57 per hour for the full quarter.

**Possible paths:** (1) you start your 1<sup>st</sup> quarter with TCSS499 in Autumn 2025, and continue with the 2<sup>nd</sup> paid quarter in Winter 2026, (2) you start your 1<sup>st</sup> quarter with TCSS499 in Winter 2026, and continue with the 2<sup>nd</sup> paid quarter in Spring 2026, (3) you start your 1<sup>st</sup> quarter with TCSS499 in Spring 2026, and continue with the 2<sup>nd</sup> paid quarter in Summer 2026.

### TOPICS

Security software systems deployed on autonomous drones, Privacy, AI-based Health care, among others. Interests in Python/C++, Machine Learning for intrusion detection, and systems/embedded tooling are welcome.

### ELIGIBILITY

Open to UW Tacoma undergraduates in CSS (SET). Prior experience with Python or C/C++ is helpful but not required—**curiosity and reliability matter most.**

### HOW TO APPLY



Scan the QR code and complete the Google Form, where you will have to provide your email, a short statement ( $\leq 250$  words) describing your interests, your current GPA, and your resume (PDF). If you have any questions, email Dr. Damiano Torre ([dctorre@uw.edu](mailto:dctorre@uw.edu)), and subject line: “**SESAIS Undergraduate Research**”. Applications are reviewed on a rolling basis until the positions are filled.