

Job Posting:166302 - Position: S25 Internship, Software Engineer, Simulation Platform 166302 E1

Co-op Work Term Posted:	2025 - Summer
App Deadline	03/12/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	02/19/2025 10:14 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Tesla Motors
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Summer
 Job Title 	S25 Internship, Software Engineer, Simulation Platform 166302 E1
Position Type	Co-op Position
Job Location	Palo Alto, CA
Country	USA
Duration	4 months
Salary Currency	US
Salary	36.06 per hour for 40 Major List
Salary Range \$	\$36.06 - \$50.48 + benefits
Job Description	

Job Title: Internship, Software Engineer, Simulation Platform (Summer 2025)

Job ID: 235749

What to Expect

Consider before submitting an application:

This position is expected to start around May 2025 and continue through the Summer term (approximately August 2025) or into Fall 2025 if available and there is an opportunity to do so. We ask for a minimum of 12 weeks, full-time and on-site, for most internships. Our internship program is for students who are actively enrolled in an academic program. Recent graduates seeking employment after graduation and not returning to school should apply for full-time positions, not internships.

International Students: If your work authorization is through CPT, please consult your school on your ability to work 40 hours per week before applying. You must be able to work 40 hours per week on-site. Many students will be limited to part-time during the academic year.

About the Team

In this role you will architect and develop the next generation of async Rust Tokio based infrastructure and tooling used by all Tesla firmware Engineers. These software applications play a critical role in efficient vehicle firmware development and support all current and future vehicle programs. You will use your creativity to tackle some of the most challenging problems in the distributed software.

What You'll Do

- Development of backend infrastructure services in async Rust Tokio
- Architecture and development of CLI tools interfacing with backend infrastructure services
- Architecture and development of software for big data synchronization, storage and retrieval
- Develop automated tests to ensure high-quality software releases and accurate functionality
- Work closely with the engineering teams, the users of these applications

Compensation and Benefits

Benefits

As a full-time Tesla Intern, you will be eligible for:

- Aetna PPO and HSA plans > 2 medical plan options with \$0 payroll deduction
- Family-building, fertility, adoption and surrogacy benefits
- Dental (including orthodontic coverage) and vision plans. Both have an option with a \$0 payroll contribution
- Company Paid (Health Savings Account) HSA Contribution when enrolled in the High Deductible Medical Plan with HSA
- Healthcare and Dependent Care Flexible Spending Accounts (FSA)
- 401(k), Employee Stock Purchase Plans, and other financial benefits
- Company Paid Basic Life, AD&D, and short-term disability insurance
- Employee Assistance Program
- Sick time after 90 days of employment and Paid Holidays
- Back-up childcare and parenting support resources
- Voluntary benefits to include: critical illness, hospital indemnity, accident insurance, theft & legal services, and pet insurance
- Commuter benefits
- Employee discounts and perks program

Expected Compensation

\$36.06 - \$50.48 + benefits

Pay offered may vary depending on multiple individualized factors, including market location, job-related knowledge, skills, and experience. The total compensation package for this position may also include other elements dependent on the position offered. Details of participation in these benefit plans will be provided if an employee receives an offer of employment.

Tesla is an Equal Opportunity / Affirmative Action employer committed to diversity in the workplace. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, age, national origin, disability, protected veteran status, gender identity or any other factor protected by applicable federal, state or local laws.

Tesla is also committed to working with and providing reasonable accommodations to individuals with disabilities. Please let your recruiter know if you need an accommodation at any point during the interview process.

For quick access to screen reading technology compatible with this site click here to download a free compatible screen reader (free step by step tutorial can be found here). Please contact accommodationrequest@tesla.com for additional information or to request accommodations.

Privacy is a top priority for Tesla. We build it into our products and view it as an essential part of our business. To understand more about the data we collect and process as part of your application, please view our [Tesla Talent Privacy Notice](#)

Job Requirements

What You'll Bring

- Degree in Computer Science, Computer Engineering, Software Engineering, or a related field of study with a graduation date between August 2025 - August 2026
- Knowledge of and experience in Rust
- Proficiency with C++ or Python
- Experience with Linux Operating System internals
- Experience in async Rust is nice to have
- Experience with Kubernetes or Docker containers is nice to have
- Knowledge of version control (Git)
- Excellent interpersonal, communication, and collaboration skills
- Experience working in a fast-paced environment on several different simultaneous projects

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Yes

Address Cover Letter to Hiring Manager

Special Application Instructions

Application Link:

<https://www.tesla.com/careers/search/job/internship-software-engineer-simulation-platform-summer-2025-235749>

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website. Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received. Students should submit their applications as soon as they are ready.