

Job Posting:175392 - Position: S26 Software Engineering Intern, Vehicle Controls - Summer 2026 175392

Co-op Work Term Posted:	2026 - Summer
App Deadline	11/28/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	11/14/2025 03:25 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Rivian Automotive
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
 Job Title 	S26 Software Engineering Intern, Vehicle Controls - Summer 2026 175392
Position Type	Co-op Position
Job Location	Vancouver, BC or Palo Alto, CA
Country	Canada or USA
Duration	8 months
Work Mode	To be confirmed
Salary Currency	CAD
Salary	Salary Not Available, 40 Major List
Salary Range \$	\$40-\$51 USD or \$22-\$27 CAD per hour.
Job Description	

Palo Alto, California; Irvine, California; Vancouver, Canada

About Us

Rivian and Volkswagen Group Technologies is a joint venture between two industry leaders with a clear vision for automotive's next chapter. From operating systems to zonal controllers to cloud and connectivity solutions, we're addressing the challenges of electric vehicles through technology that will set the standards for software-defined vehicles around the world.

The road to the future is uncharted. By combining our expertise across connectivity, AI, security and more, we'll map a new way forward. Working together, we'll create a future that's more connected, more intelligent, more sustainable for everyone.

Role Summary

As a Software Engineering Intern, you will be an integral part of the Vehicle Control Systems team, responsible for implementing and validating low-level embedded software for critical vehicle functions such as Energy Storage & Distribution (ES&D), power modes, or foundational motion control features. You will work in a dynamic environment, applying your expertise in real-time programming and system fundamentals to ensure the safety and reliability of our electronic control units (ECUs).

Responsibilities

- **Implement and validate embedded software** for vehicle systems, such as battery and energy management systems.
- Develop features for low and high voltage systems, including power and current distribution, DC/DC controls, or fault detection and recovery.
- Design scalable software architectures with a focus on **embedded system reliability and performance**.
- Contribute to the automated testing framework by writing automated tests for software components, utilizing **Unit, Software-in-the-Loop (SIL), and Hardware-in-the-Loop (HIL)** environments.
- Contribute to the **design, development, and implementation of highly complex systems** spanning multiple domains.

- Work with systems engineers to define feature requirements and collaborate with test engineers to test, validate, and debug algorithms before deployment.

Pay Disclosure

US Salary Range/Hourly Rate for Internships: The range of pay for internships in the US is \$40-\$51 USD per hour. Actual compensation will be determined based on location, and other factors permitted by law.

Canada Salary Range/Hourly Rate for Internships: The range of pay for internships in Canada is \$22-\$27 CAD per hour. Actual compensation will be determined based on location, and other factors permitted by law.

Equal Opportunity

Rivian and Volkswagen Group Technologies is committed to creating a diverse environment and is proud to be an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, ancestry, sex, sexual orientation, gender, gender expression, gender identity, genetic information or characteristics, physical or mental disability, marital/domestic partner status, age, military/veteran status, medical condition, or any other characteristic protected by law. We are also committed to ensuring compliance with all applicable fair employment practice laws regarding citizenship and immigration status.

Rivian and Volkswagen Group Technologies is committed to ensuring that our hiring process is accessible for persons with disabilities. If you have a disability or limitation, such as those covered by the Americans with Disabilities Act, that requires accommodations to assist you in the search and application process, please email us at candidateaccommodations@rivian.com.

Candidate Data Privacy

Rivian and VW Group Technologies ("Rivian and Volkswagen Group Technologies") may collect, use and disclose your personal information or personal data (within the meaning of the applicable data protection laws) when you apply for employment and/or participate in our recruitment processes ("Candidate Personal Data"). This data includes contact, demographic, communications, educational, professional, employment, social media/website, network/device, recruiting system usage/interaction, security and preference information. Rivian and Volkswagen Group Technologies may use your Candidate Personal Data for the purposes of (i) tracking interactions with our recruiting system; (ii) carrying out, analyzing and improving our application and recruitment process, including assessing you and your application and conducting employment, background and reference checks; (iii) establishing an employment relationship or entering into an employment contract with you; (iv) complying with our legal, regulatory and corporate governance obligations; (v) recordkeeping; (vi) ensuring network and information security and preventing fraud; and (vii) as otherwise required or permitted by applicable law.

Rivian and Volkswagen Group Technologies may share your Candidate Personal Data with (i) internal personnel who have a need to know such information in order to perform their duties, including individuals on our People Team, Finance, Legal, and the team(s) with the position(s) for which you are applying; (ii) Rivian and Volkswagen Group Technologies affiliates; and (iii) Rivian and Volkswagen Group Technologies' service providers, including providers of background checks, staffing services, and cloud services.

Rivian and Volkswagen Group Technologies may transfer or store internationally your Candidate Personal Data, including to or in the United States, Canada, and the European Union and in the cloud, and this data may be subject to the laws and accessible to the courts, law enforcement and national security authorities of such jurisdictions.

Please see our Candidate Data Privacy Notice (English) and Candidate Data Privacy Notice (Serbian) for more information.

Please note that we are currently not accepting applications from third party application services.

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Job Requirements

Qualifications

Minimum Qualifications:

- Currently enrolled in a Bachelor's or Master's program at an accredited US or Canadian university.
- Proficiency in C/C++ and Python.

Preferred Qualifications:

- Actively pursuing a degree in Electrical Engineering, Mechanical Engineering, Computer Science, or a closely related technical field with the intent to return to school following completion of internship.
- Experience working in a **Real-Time Operating Systems (RTOS) environment**.
- Experience working with CAN, LIN, UDS, DoIP communication protocols
- Experience with Microcontroller and PID (proportional-integral-derivative controller)
- Experience working with advanced 32-bit multi-core microcontrollers.

Rivian and Volkswagen Group Technologies internships & co-ops are experiences optimized for student candidates. To be eligible, you must be an undergraduate or graduate student in an accredited program during the entire internship or co-op term.?If you are not pursuing a degree, please see our full-time positions at <https://rivianvw.tech/#careers>. Note that if your university has specific requirements for internship programs, it is your responsibility to fulfill those requirements.

Citizenship Requirement

N/A

Position Start Date

January 12, 2026 12:00 AM

Position End Date

August 14, 2026 12:00 AM

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Optional

Special Application Instructions

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Application Link:

<https://careers.rivianvw.tech/rivian-vw-group-technology/jobs/27480?lang=en-us&iis=LinkedIn&mode=apply>

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.