Job Posting: 178465 - Position: S26 Software Engineering Intern, Vehicle Controls - Summer 2026 178465

Co-op Work Term Posted:	2026 - Summer
App Deadline	02/26/2026 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	02/19/2026 10:08 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Rivian Automotive
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
<b> Job Title <b>	S26 Software Engineering Intern, Vehicle Controls - Summer 2026 178465
Position Type	Co-op Position
Job Location	Vancouver, BC
Country	Canada
Duration	4 months
Work Mode	To be confirmed
Salary Currency	CAD
Salary	0.0 per hour for 0 Major List
Salary Range $	$22-$27/ hour
Job Description	

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

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.

Job Requirements

Qualifications

Minimum Qualifications:
• Currently enrolled in a Bachelor's or Master's program at an accredited 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

APPLICATION INFORMATION

Application Procedure   Through Employer Website

Special Application Instructions

APPLICATION LINK: https://careers.rivian.com/rivian-vw-group-technology/jobs/28277?lang=en-us&previousLocale=en-US

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