Job Posting:174726 - Position: W26 Embedded Software Engineer 174726

Co-op Work Term Posted:	2026 - Winter
App Deadline	10/28/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	10/23/2025 08:16 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Rivian Automotive
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Winter
<b> Job Title <b>	W26 Embedded Software Engineer 174726
Position Type	Co-op Position
Job Location	Vancouver, BC
Country	Canada
Duration	8 months
Work Mode	In-Person
Salary Currency	CAD
Salary	24.0 per hour for 40 Major List
Salary Range $	24.00 hourly
Job Description	

Rivian & Volkswagen Group Technologies Description
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.
The Adventure Is Just Beginning
Doing something different is never easy. It requires courage, optimism, and grit. The core to delivering on our vision is building a team of curious individuals, determined to make a positive impact on the world. This means challenging us, stretching beyond the bounds of conventional thinking, reframing old problems, seeking new solutions, and operating comfortably in a space of uncertainty.
Our team has a diverse set of backgrounds- but at heart, we are adventurers on a mission to move the world in a new direction. We're currently looking for thinkers and doers with a strong sense of adventure to join us on this journey.

THIS IS WHAT YOU WILL DO:
• Develop Core Platform Software: Design, implement, and test low-level embedded software components critical for system stability, security, and performance.
• Enable System Functionality: Develop middleware and services for platform-level features, including ethernet, UDS diagnostic services, SDK, and internal communication (IPC).

•Collaborate on Hardware/Software Integration: Design test plan, test cases and test execution plan for our products. Improve the release process.

•Contribute to our product release cycle: test new features and regression features.

•Identify potential problems and work with developers to resolve framework bottlenecks.

•Design test plan, test cases and test execution plan for our products. Improve the release process.

•This position requires hands-on physical interaction with hardware in the Vancouver office.

THIS IS WHERE YOU'LL WORK:

Department: Middleware Team, Elpis Software

Location: Vancouver

Job Requirements

THIS IS WHAT YOU NEED:

• Strong C programming skills, with an emphasis on code efficiency and memory management.

•Experience with Real-Time Operating Systems (RTOS)

•Hands-on experience with software development on microcontrollers (MCUs).

•Good team player with great communication skills and the ability to articulate technical challenges clearly.

•Ability to work effectively in a fast-paced, rapid development environment.

•Passionately motivated to build robust, high-quality, and scalable core platforms.

PREFERRED:

• Multi-threaded and multi-core programming experience.

•Experience in low-level driver development for common peripherals (e.g., flash, DMA, timers).

•Familiarity with various communication protocols such as CAN, Ethernet (TCP/IP), SPI, I2C, or UART.

•Experience with scripting languages (e.g., Python) for automation, testing, and build systems.

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 UBC Science Co-op
Cover Letter Required?	No

Special Application Instructions

Applications are accepted on a rolling basis and the posting may expire at any time. Students should submit their applications as soon as they are ready.