

## Job Posting:166079 - Position: S25 Embedded Engineer Co-op 166079

<b>Co-op Work Term Posted:</b>	2025 - Summer
<b>App Deadline</b>	02/03/2025 09:00 AM
<b>Application Method:</b>	Through UBC Science Co-op
<b>Posting Goes Live:</b>	01/22/2025 03:07 PM
<b>Job Posting Status:</b>	Expired

### ORGANIZATION INFORMATION

<b>Organization</b>	Rivian Automotive
<b>Country</b>	Canada

### JOB POSTING INFORMATION

<b>Placement Term</b>	2025 - Summer
<b>&lt;b&gt; Job Title &lt;b&gt;</b>	S25 Embedded Engineer Co-op 166079
<b>Position Type</b>	Co-op Position
<b>Job Location</b>	Vancouver, BC
<b>Country</b>	Canada
<b>Duration</b>	8 months
<b>Work Mode</b>	In-Person
<b>Salary Currency</b>	CAD
<b>Salary</b>	24.0 per hour for 40 Major List
<b>Salary Range \$</b>	\$24 - \$27 Hourly
<b>Job Description</b>	

#### 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.

#### This is what you'll do:

- Bring up new boards, integrating the base software operating system and drivers to enable the foundation of the vehicle application software
- Design, develop and deploy embedded software for applications including alarms, occupancy detection, chimes, and over-the-air update (OTA)
- Collaborate with the hardware team on overall design, schematics, and hardware validation
- Work closely with other development and cross-functional team members such as Charging, Body Controls, Infotainment, and Vehicle Dynamics

#### Job Requirements

##### Qualifications:

- Strong C programming skills
- Real Time Operating Systems (RTOS)
- Embedded software development and optimization
- Software development on microcontrollers

- Good team player with great communication skills
- Ability to work in a fast-paced development environment
- Passionately motivated to take ideas from R&D phase to a product

**Preferred Skills:**

- Experience in automotive applications
- Multi-threaded and multi-core programming
- Software development for systems with live sensor inputs
- High performance processors and platforms such as ARM, ATOM, DSP, FPGA, GPU
- Scripting languages (for example PERL, Python)
- Experience with CAN, Ethernet, SPI, I2C

THIS IS WHERE YOU'LL WORK:

Location: Vancouver

**Citizenship Requirement** N/A

## APPLICATION INFORMATION

**Application Procedure** Through UBC Science Co-op

**Cover Letter Required?** No