Job Posting:171895 - Position: F25 Embedded Software Engineer Co-op 171895

Co-op Work Term Posted:	2025 - Fall
App Deadline	08/20/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	08/13/2025 04:09 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Damon Motors Inc.
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
<b> Job Title <b>	F25 Embedded Software Engineer Co-op 171895
Position Type	Co-op Position
Job Location	Burnaby, BC
Country	Canada
Duration	4 or 8 months
Work Mode	In-Person
Salary Currency	CAD
Salary	3500.0 per month for 0 Major List
Salary Range $	$3500 - $4500 depending on experience

Job Description

Position Description:

As an Embedded Software Engineer Co-op, you will support the design, development, and testing of embedded systems on Damon's EV motorcycles and other personal mobility products. Working closely with senior engineers, you'll gain hands-on experience across Damon's advanced technology stack including HyperSport Race, our next-generation performance motorcycle, and Damon I/O, our intelligent data platform for connected mobility.

You'll contribute to projects involving firmware development, safety system integration, vehicle diagnostics, and real-time data communication. We're looking for passionate, curious learners who thrive on new technology and want to help shape the future of intelligent mobility.

Duties and Responsibilities include, but are not limited to:

• Assist in the design, prototyping, implementation, testing, and documentation of embedded software systems.
•Support the development of communication features between the HyperSport platform and mobile/cloud devices.
•Help maintain connectivity pathways to the Damon I/O cloud system.
•Collaborate with QA and development teams to build and execute test cases for system verification and validation.
•Participate in debugging, performance testing, and troubleshooting of embedded systems.
•Contribute to cross-functional team efforts to solve real-world engineering challenges.

Duration: 4 or 8 months (8 preferred)

Job Requirements

Position Requirements:

• Currently enrolled in a 3rd or 4th year of an Electrical, Computer, Mechatronics, or Software Engineering program.
•Previous co-op or relevant technical project experience.
•Proficiency in C and Python

•Basic familiarity with embedded systems, including microcontrollers and/or RTOS environments.
•Interest in wireless protocols such as Bluetooth Low Energy (BLE), Wi-Fi, or mobile device pairing.
•Strong written and verbal communication skills.
•Enthusiastic team player with a growth mindset and problem-solving approach.

Nice To Haves

• Experience with Bluetooth (Classic/BLE) and/or Wi-Fi communication in embedded projects.
•Familiarity with mobile device connectivity or app-based data streaming.
•Exposure to hardware/software integration (Arduino, Raspberry Pi, or STM32 projects).
•Basic experience with lab tools like oscilloscopes or logic analyzers.
•Knowledge of version control systems such as Git.
•Interest or experience in automotive or mobility systems.
•MATLAB or Python scripting for data processing.
•Motorcycle riding interest or knowledge of two-wheeled vehicle systems.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through UBC Science Co-op
Cover Letter Required? Optional