Job Posting:172406 - Position: W26 Embedded Software Developer 172406

Co-op Work Term Posted:	2026 - Winter
App Deadline	09/19/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	08/29/2025 03:19 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	General Dynamics Mission Systems - Canada
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Winter
<b> Job Title <b>	W26 Embedded Software Developer 172406
Position Type	Co-op Position
Job Location	Ottawa, ON
Country	Canada
Duration	4 months
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List

Job Description

Job Title: Co-op Winter 2026 - Embedded Software Developer - 4-Months
Job ID: REF848Z
Company Description
At General Dynamics Mission Systems-Canada, our focus extends beyond engineering technology solutions-we are dedicated to cultivating careers. If you seek a purpose-driven career solving some of the world's most critical problems, alongside some of the brightest engineering minds, your application is welcome. Join a community where your unique perspective propels innovation.
Why Join Us?
• **Realize your Impact:** Our work enables customers to successfully navigate missions across diverse domains of operation. Your fresh perspectives and ideas have the power to shape real solutions, influence projects and drive meaningful change.
• **Kick-start your Career:** IImmerse yourself in various industry facets, gaining insights that span from cutting-edge technology to project management. Elevate your resume with a distinguished company to set the stage for a rewarding career, while paving the way for future full-time opportunities within General Dynamics.
• **Grow your Network:** Work side by side with talented professionals who are excited to share their experience and develop your skills. Have meaningful interactions, ask questions, and build relationships that can lead to lasting industry connections.
• **Balance your Life:** We have On-site and Hybrid positions, this is often dependant on the nature of your role. We offer a variety of options for your work schedule which includes compressed work week options, flexible start times and shut down periods. We champion work-life balance, ensuring you have time for personal endeavors and your professional aspirations.
Job Description
The General Dynamics Mission Systems -Canada Advanced Vetronic Systems (AVS) team has a requirement for an Electrical/Software/Computer Engineering student to support multiple programs in the Vetronics product area. The successful candidate for this position will contribute to the support of embedded software for a number of products including the Smart Display,
Our Smart Displays have a full computer (Intel Xeon) processor inside them, along with embedded ARM microprocessors running external interfaces such as USB, CAN, or RS422, and are used by our military customers to display battlefield maps, etc. Our

Video products run an embedded Linux on a more powerful ARM processor, relying on Ethernet connections to push compressed video streams around a vehicle.

The Vetronics team's software runs close to the hardware. We measure our boot time in milliseconds. There is no huge Java VM or Apache web server backend framework running our code - in some cases there is an embedded Linux kernel, in some cases a thin embedded operating system, and in some cases there is no operating system at all. We write code for ARM processors and microprocessors. Think: code that's written for an Odroid, Arduino or Raspberry Pi, but take it to the next level.

Additional Information

We believe the unique contributions of each of our colleagues are key in our ability to drive innovation. By fostering a culture of belonging, encouraging idea sharing at all levels, and reinforcing the very real impact of what we do, we offer an environment where everyone can take pride in their work. If you require accommodation during any stage of the application process, please contact Human Resources via recruitment@gd-ms.ca.

Job Requirements

Qualifications
• Currently enrolled in a Bachelor's degree program in Computer Science, Software Engineering, Electrical Engineering, or Computer Engineering.
• OS: Linux (Ubuntu, shell), Windows 10/11
• Languages: C/C++, python3, Bourne shell scripts
• Interfaces: I2C, SPI, JTAG, USB, Ethernet (TCP/IP networking, SSH), CAN bus
• SW Tools: Git and GitLab CI/CD, Visual Studio Code, Docker, Confluence
• Office Tools: Word, Excel, Outlook, PowerPoint
• Interest in developing embedded application software for devices and computers
• Interest in micro-controllers and video processors
• Soft skills: Innovative and a self-starter, with excellent communication and teamwork skills, ability to multi-task and prioritize
• Exposure to software/hardware integration and test, and working from digital schematics
• Experience working in a team environment with systems, software and hardware engineering peers

It is a requirement that General Dynamics Mission Systems-Canada be registered with the Canadian Controlled Goods program and that all of its workforce be security assessed. Successful applicants must meet all applicable security requirements, including but not limited to the ability to obtain and maintain a Canadian government security clearance. Applicants may be required to meet additional security requirements in order to gain access to technical data, classified areas or information that is subject to international regulations. You must be eligible to work in Canada.

Citizenship Requirement   N/A

APPLICATION INFORMATION

Application Procedure   Through Employer Website
Cover Letter Required?   Optional
Special Application Instructions

Application Link:

https://gdmissionsystems.ca/careers/co-op-winter-2026-embedded-software-developer-4-months-ottawa-on-ca-ref848z-opportunity
Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website. 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.