

Job Posting:172383 - Position: W26 Embedded Software Test 172383

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 02:22 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	General Dynamics Mission Systems - Canada
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JOB POSTING INFORMATION

Placement Term	2026 - Winter
 Job Title 	W26 Embedded Software Test 172383
Position Type	Co-op Position
Job Location	Nepean, 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 Test - 4-Months

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:** Immerse 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 contribute to the testing and verification of an embedded control panel display which is being developed for the M1A1 Abrams main battle tank.

Most of our tank control products have an ARM microprocessor running external interfaces such as Ethernet, USB, CAN bus, MIL-STD-1553 bus, or RS422, and are used by our military customers to display battlefield maps, commander or gunner turret controls, 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, giving the soldiers inside a better view of what's happening outside. The product for this position is a blend of both technologies, and provides the soldier with video feeds on the screen as well as controls for the

thermal viewer and turret motion. The successful candidate will contribute to the development and execution of test cases, which means by the end of the term, you will know how to control a tank's gun sight!

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.

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
- Interfaces: Ethernet (TCP/IP networking, SSH), CAN bus, MIL-STD-1553
- SW Tools: Git and GitLab CI/CD, Confluence, DOORS requirements management system
- Office Tools: Word, Excel, Outlook, PowerPoint
- Interest in developing software requirements and test procedures for vehicle systems
- Interest in embedded systems and video processors
- Soft skills: Innovative and a self-starter, with excellent communication and teamwork skills, ability to multi-task and problem solve
- Exposure to software/hardware integration and test, and working from interface control documents
- Experience working in a team environment with systems, software and hardware engineering peers

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Optional

Special Application Instructions

Application Link:

<https://jobs.smartrecruiters.com/GDMSI/744000079033405-co-op-winter-2026-embedded-software-test-4-months>

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.