

Job Posting:168841 - Position: F25 Embedded Software Engineer Co-op/Intern 168841B E1

Co-op Work Term Posted: 2025 - Fall
App Deadline 05/20/2025 09:00 AM
Application Method: Through Employer Website
Posting Goes Live: 05/07/2025 02:21 PM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization Lumentum
Address Line 1 61 Bill Leathem Dr
City Nepean
Postal Code / Zip Code K2J 0P7
Province / State ON
Country Canada

JOB POSTING INFORMATION

Placement Term 2025 - Fall
** Job Title ** F25 Embedded Software Engineer Co-op/Intern 168841B E1
Position Type Co-op Position
Job Location Ottawa, ON
Country Canada
Duration 4 or 8 months
Work Mode In-Person
Salary Currency CAD
Salary Salary Not Available, 0 Major List

Job Description

Position Title: Embedded Software Engineer Co-op/Intern

Employment Type: Student - Co-op/Intern

Location: Ottawa ON, Onsite

Welcome to Lumentum! We're all about harnessing cutting-edge tech to create a brighter, more connected future. We are the leaders in optical and photonic products, working at the intersection of innovation and impact. Here's what we're up to:

Cloud & Networking

- Powering high-speed data transmission for cloud data centers, AI/ML, enterprise systems, and communication services. Think streaming, gaming, and next-gen tech-we make it happen.

Industrial Tech

- Innovating with state-of-the-art lasers used in industries like EVs, solar power, display technology, and semiconductors. We're enabling the future of green tech and advanced manufacturing.

At Lumentum, we're committed to collaboration, inclusivity, and empowering our team to shine. Together, we're shaping the tech of tomorrow while supporting a culture where everyone thrives.

Why You'll Love This Role

Lumentum is seeking to hire an Embedded Software Engineer - Co-op/Intern for our Ottawa based WSS Embedded Software team.

The Opportunity

8-month term (preferred): Sep. 2025 - Apr. 2026

4-month term: Sep. 2025 - Dec. 2025

What You'll Be Doing

The Embedded Software Engineer responsibilities would include but not be limited to the following:

- Work closely with R&D teams to develop embedded software and ensure compliance to specifications.
- Work independently or in a small team to deliver technically challenging products.
- Designing, implementing, and supporting features in C on embedded platforms for high performance optical products.
- Work with hardware interfaces, including sensors, actuators, communication buses (like UART, I2C, SPI), and peripherals.
- Applying best practices throughout the software lifecycle.
- Solving complex problems in multi-disciplinary teams.
- Analyzing and characterizing software failures.
- Sharing your knowledge in the following technology areas: embedded software, code reuse, designing for test and support, distributed and multi-threaded system design, unit test, etc.

Job Requirements

Education Qualifications

- 3rd or 4th year: Computer Engineering, Computer Science, and Electrical Engineering although software-inclined candidates from other Engineering and Science disciplines would also be considered.

Desired Skills & Qualifications

- Motivated to succeed.
- Strong C programming experience.
- Strong experience developing and working with embedded systems.
- Strong troubleshooting and debugging skills.
- Excellent verbal and written communication skills.
- Experience with optical systems is an asset.
- Experience with QNX, LINUX, FreeRTOS, and SYMBIOS is an asset.
- Experience with TI and Xilinx DSPs is an asset.

To be considered for this opportunity...

- You must be registered full-time or part time, in a recognized Canadian post-secondary institution

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Special Application Instructions

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Application Link: Opportunities

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.