

Job Posting:169709 - Position: F25 Software Developer, Embedded Appliances Co-op 169709

Co-op Work Term Posted: 2025 - Fall
App Deadline 05/20/2025 09:00 AM
Application Method: Through UBC Science Co-op
Posting Goes Live: 05/15/2025 08:13 AM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization Motorola Solutions
Address Line 1 555 Robson Street
City Vancouver
Postal Code / Zip Code V6B 2B7
Province / State BC
Country Canada

JOB POSTING INFORMATION

Placement Term 2025 - Fall
** Job Title ** F25 Software Developer, Embedded Appliances Co-op 169709
Position Type Co-op Position
Job Location Vancouver, BC
Country Canada
Duration 8 or 12 months
Work Mode In-Person
Salary Currency CAD
Salary Salary Not Available, 37.5 Major List
Salary Range \$ 38,000 CAD - 55,000 CAD annually.
Job Description

At Motorola Solutions we are helping solve some of the biggest challenges around safety and physical security by developing advanced artificial intelligence (AI) technologies and products that are used to help keep people, businesses, and cities around the world safer. Avigilon, a Motorola Solutions company, designs, develops, and manufactures advanced AI, video analytics, network video management software and hardware, surveillance cameras, and access control solutions that help change the way people interact with their security systems.

Our co-ops don't wash cars or do coffee runs. They also don't work on side projects. Our co-ops are treated like full team members and are given the opportunity to learn what being a developer is like in the real world. You'll have the opportunity to learn new technologies and best practices in coding, testing and automation.

You'll also have a lot of fun and make a lot of friends. For the duration of your work term, you will be a member of a multi-disciplinary engineering team responsible for the design and implementation of the next generation of Motorola's market-leading high-performance video solutions products.

We are looking for the best people: smart, creative, passionate about their work, and excited for new challenges.

The successful candidate will be responsible for:

- Using C++ to produce and maintain robust, high performance, scalable application software
- Acting as a member of a scrum team responsible for features required to deploy new platforms/appliances in our video surveillance and security portfolio
- Designing, creating, maintaining, and delivering code and scripts for an embedded Linux environment
- The application of object-oriented patterns for the design of concurrent, networked, software components

Job Requirements

Qualifications:

- Progress towards a degree in Computer Engineering, Computer Science, or related technical discipline
- Demonstrated C++ design and programming ability (including new C++11 and C++14 features)
- Strong knowledge of multithreaded operating systems, performance, applications and concepts
- Knowledge of IP networking applications and concepts
- Academic or job-related experience developing software in a Linux environment
- Excellent verbal and written communications skills

Preference will be given to candidates with the following skills and experience:

- Knowledge of digital video/audio codecs, standards, transport and concepts
- Experience using boost
- Experience with Go (Golang) or Python
- Experience with the Linux kernel and device drivers
- Experience with The Yocto Project

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure	Through UBC Science Co-op
Cover Letter Required?	Yes
Address Cover Letter to	Hiring Manager