Job Posting:169688 - Position: F25 Systems Engineer, Co-op 169688

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:	05/14/2025 08:23 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
<b> Job Title <b>	F25 Systems Engineer, Co-op 169688
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, 0 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 computer engineer is like in the real world. You'll have the opportunity to learn new technologies and best practices in product development including some 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.

The systems engineering team at Avigilon is responsible for recommending, selecting, configuring, and qualifying platforms that are used to deploy our world-class Avigilon Control Center software product. As part of the team, you will be responsible for

analysing our products at a system level, looking for optimizations in cost, quality, features, and performance and then delivering the final result into manufacturing. We are looking for someone that likes to take apart computers!

Responsibilities include:
• Continually improve the quality of Avigilon's software and hardware products through the creation, execution, and maintenance of comprehensive test plans, test cases, and test scripts
• Ensure that Avigilon produces the highest quality, easiest to use products in the surveillance industry
• Interact regularly with support, development, and product management teams to solve challenging problems
• Participate in an Agile Development environment and contribute to a continual improvement process
• Report defects using JIRA
• Measure and report on the performance of various components of our system. Items like graphics, network, memory, IO, disk, etc.
• Identify and make recommendations to remove performance bottlenecks
• Assist in making performance vs cost trade-offs.
• Verify resolution of defects and support issues
• Setup and maintain complex test environments

Job Requirements

Qualifications:
• Excellent written and oral communication skills, including the ability to produce clear, concise documentation
• Self-motivated, with the ability to learn quickly and independently
• Ability to work as part of a cross-functional team
• Excellent problem solving and critical thinking skills
• Some understanding of C#, C++, Python, Windows, IP Networking would be an asset

Preference will be given to candidates with the following skills and experience:
• Knowledge of video file formats and concepts
• General computer knowledge of items like: RAID, BIOS, PCIe, etc.
• Prior experience installing and configuring computer and network equipment
• Knowledge of client/server architectures

Citizenship Requirement   N/A

APPLICATION INFORMATION

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