

Job Posting:170964 - Position: F25 Software Development Engineer in Test Co-op (Machine Vision) 170964

Co-op Work Term Posted:	2025 - Fall
App Deadline	07/11/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	06/25/2025 02:03 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Teledyne FLIR IIS
Address Line 1	12051 Riverside Way
City	Richmond
Postal Code / Zip Code	V6W 1K7
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
 Job Title 	F25 Software Development Engineer in Test Co-op (Machine Vision) 170964
Position Type	Co-op Position
Job Location	Richmond, BC
Country	Canada
Duration	8 months
Work Mode	Hybrid
Salary Currency	CAD
Salary	Salary Not Available, 40 Major List
Salary Range \$	\$36,100.00-\$48,100.000
Job Description	

REQ29301

Job Description

Be visionary. FLIR Integrated Imaging Solutions (IIS), a division of Teledyne FLIR, is one of the world's leading manufacturers of machine vision digital cameras. Our cameras are vital components in the fast growing, transformative industries of robotics, autonomous vehicles, industrial automation, virtual reality and medical/life sciences.

Job Summary:

FLIR Integrated Imaging Solutions (IIS), a division of FLIR systems, headquartered in the Greater Vancouver area, BC, addresses mainly the growing market of Machine Vision for the largest part of our activities. We provide to machinery manufacturers or system integrators imaging products and solutions that are used for quality inspection, measurement, traceability, vision guided automation and robotics, as well as intelligent traffic systems.

Our Software Development team is a group of diverse, fun individuals passionate about software development, testing and automation. As leaders in the Machine Vision industry, we strive to keep up to date with the latest industry standards and prioritize quality in every aspect of our work. We are looking for a Software Development Engineer in Test Co-op to work with us on test case execution and automation improvements for our Machine Vision SDK and GUI components, for a minimum of 8-months.

About you:

Your passion for technology is evident from your actions and easy to see when discussing your personal projects and recent activities. You show an eagerness to learn and aim to better yourself through independent learning and collaboration with a team. You enjoy a high degree of autonomy when working and have a genuine desire to learn from and support your team.

The Role:

Our team is self-organizing and highly collaborative. We believe in others good intentions and approach team interactions with compassion and empathy. Each member of the team has direct input in the stories and tasks we commit to. We strongly believe in the Scrum

methodology and are constantly improving ourselves and our processes to make sure what we're doing works for us. You will work closely with your team and stakeholders to plan, develop, and improve software testing and processes for our main Machine Vision SDK, GUI applications and utilities, and corresponding camera drivers. As you gain experience, you will grow your skills and expand your responsibilities beyond manual testing and automation to also include test development. To stimulate creativity and innovation we offer up to two days of "innovation time" per month to explore new technologies or product ideas. Excited about a newly discovered technology, process or other improvement?

Share it with your fellow engineers during "demo days"; choose to give a presentation, run a live demo, or suggest a new format that best suits your needs.

Technologies we use:

Our tests are written primarily in C++, as well as in C, C#/.Net and Python to match the languages supported by our SDK. We support Windows, Linux and macOS and use various scripting languages to run our test automation infrastructure.

Interesting Facts about FLIR IIS:

- Benefits for Co-ops include: free transit pass, fully subsidized cafeteria, onsite bike room, flexible work hours
- All our cameras are designed and manufactured onsite

FLIR Integrated Imaging Solutions (IIS) and all of our employees are committed to conducting business with the highest ethical standards. We require all employees to comply with all applicable laws, regulations, rules and regulatory orders. Our reputation for honesty, integrity and high ethics is as important to us as our reputation for making innovative sensing solutions.

FLIR Integrated Imaging Solutions (IIS) is an equal opportunity employer.

Job Requirements

We are interested in candidates from any background so long as you have some technical experience and an eagerness to learn. Here is a list of some of the other technologies we use:

- Jira, Bitbucket, Fisheye, Jenkins
- Git, SVN
- WPF, Qt, SWIG
- Shell, Batch, Groovy, Ant
- Boost, GTest, CPPUnit, xUnit, pytest, SikuliX
- Wireshark
- Docker
- Jenkins Job Builder

Minimum second year student in Computer/Electrical/Software Engineering or Computer Science (or equivalent).

Citizenship Requirement

N/A

Position Start Date

September 02, 2025 12:00 AM

Position End Date

May 01, 2026 12:00 AM

APPLICATION INFORMATION**Application Procedure**

Through UBC Science Co-op

Cover Letter Required?

Yes

Address Cover Letter to

Tim Vlaar

