

Job Posting:167144 - Position: S25 Software Engineer 167144B

Co-op Work Term Posted:	2025 - Summer
App Deadline	02/20/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	02/14/2025 02:52 PM
Job Posting Status:	Expired

ORGANIZATION INFORMATION

Organization	Introspect Technology
City	Montreal
Province / State	QC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Summer
 Job Title 	S25 Software Engineer 167144B
Position Type	Co-op Position
Job Location	Vancouver, BC
Country	Canada
Duration	4 months
Work Mode	To be confirmed
Salary Currency	CAD
Salary	4600.0 per month for 0 Major List

Job Description

Division: R&D

Location: Montreal or Vancouver, Canada

Industry: Electronic Test and Measurement Equipment

Company Overview

Founded in 2012, Introspect Technology designs and manufactures innovative test and measurement equipment for high-speed digital applications. Whether it is the next augmented reality headset or the level-4 autonomy engine in a mobility solution, our award-winning tools are used to develop, test, and manufacture next-generation products. In short, we help the leading global technology companies make tomorrow's technology today's possibility.

Why Introspect

Drive Tomorrow's Technology

At Introspect, we're solving the most difficult problems encountered in electrical engineering with a passionate team that is inventing the world's most innovative test instruments. You will have the opportunity to create state-of-the-art test and measurement equipment - tools which will empower engineers to produce their finest work. You'll not only make a meaningful difference in our customers' careers, but you'll also impact the lives of people around the world with work that propels global innovation forward.

Collaborate with Driven Colleagues

You will work with a team of diverse and intelligent colleagues as well as with customers at the top technology companies in the world. At Introspect, you'll gain a rich, multi-disciplinary experience with colleagues and mentors committed to helping you learn

and achieve your career goals.

Pursue your Passions

We'll provide the support you need to do what you love and help you pursue a career which aligns with your values, passions, and aspirations. We also offer a competitive employee benefits package that includes medical and dental coverage. Join us to achieve your maximum potential, produce the best work of your career, and deliver meaningful value to customers.

Job Description

As the company is entering new markets and expanding its portfolio of products, Introspect Technology is seeking an experienced Software Engineer to join our R&D team in Montreal or Vancouver. As a Software Engineer, you will participate in maintaining Introspect's Pinetree software, a development and scripting environment aimed to help test engineers around the world to validate their high-speed electronics designs.

This position offers a unique opportunity to work at a rapidly growing global company and to serve leading edge technologies such as MIPI, PCI Express, DisplayPort, USB, DDR, and next-generation telecommunications standards. It also offers the possibility to obtain multi-disciplinary experience in embedded systems, register-transfer languages (RTL), signal validation, and more. The ideal candidate is a driven, self-motivated, and highly cooperative top performer who thrives in a flexible engineering environment.

Responsibilities

- Design and maintain Python software to drive multiple variants of our physical products
- Create application-specific data analysis routines
- Translate low-level digital specifications (DisplayPort, DDR5 memory, PCIe, etc.) into easy-to-use, high-level software suites
- Document usage models and options for the developed software
- Implement software optimizations to improve user experience

Job Requirements

Qualifications

- Working towards a Bachelor's or Master's degree in computer engineering or a related field
- Pertinent experience in software development
- Strong experience with object-oriented programming
- Experience in one or more of the following topics:
 - Python3
 - Desktop GUI frameworks (.NET, QT, wxWidgets, etc)
 - C / C++
 - Digital signal processing
 - Software performance profiling and optimization
 - Electronics technical specifications (HDMI, DisplayPort, USB, DDR memory, etc.)

Citizenship Requirement N/A

APPLICATION INFORMATION

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