

## Job Posting:165546 - Position: S25 Firmware Engineer (Co-op) 165546B E1

<b>Co-op Work Term Posted:</b>	2025 - Summer
<b>App Deadline</b>	02/05/2025 09:00 AM
<b>Application Method:</b>	Through Employer Website
<b>Posting Goes Live:</b>	01/22/2025 11:06 AM
<b>Job Posting Status:</b>	Expired

### ORGANIZATION INFORMATION

<b>Organization</b>	Astera Labs
<b>Address Line 1</b>	4370 Dominion St
<b>Address Line 2</b>	Suite 240
<b>City</b>	Burnaby
<b>Postal Code / Zip Code</b>	V5G 4L7
<b>Province / State</b>	BC
<b>Country</b>	Canada

### JOB POSTING INFORMATION

<b>Placement Term</b>	2025 - Summer
<b>&lt;b&gt; Job Title &lt;b&gt;</b>	S25 Firmware Engineer (Co-op) 165546B E1
<b>Position Type</b>	Co-op Position
<b>Job Location</b>	Vancouver, BC
<b>Country</b>	Canada
<b>Duration</b>	4 months
<b>Salary Currency</b>	CAD
<b>Salary</b>	40.0 per hour for 0 Major List
<b>Job Description</b>	

Astera Labs is a global leader in purpose-built connectivity solutions that unlock the full potential of AI and cloud infrastructure. Our Intelligent Connectivity Platform integrates PCIe®, CXL®, and Ethernet semiconductor-based solutions and the COSMOS software suite of system management and optimization tools to deliver a software-defined architecture that is both scalable and customizable. Inspired by trusted relationships with hyperscalers and the data center ecosystem, we are an innovation leader delivering products that are flexible and interoperable. Discover how we are transforming modern data-driven applications at

**[www.asteralabs.com](http://www.asteralabs.com)**

### Job Requirements

#### Basic qualifications:

- Strong academic and technical background taking Computer Science, Electrical/Electronics/Software Engineering or equivalent.
- Completed one or more Co-op terms of firmware or embedded software development.
- Completed one or more courses in Real Time Operating Systems (RTOS) or detailed use of an RTOS during a prior coop term or project.
- Professional attitude with the ability to formulate theories and well thought out questions as part of helping debug/develop complex systems.

#### Required experience:

- Proficiency in C (preferred) or C++, including development of firmware.
- Proficient in Python for scripting.
- Experience with developer workflows, SCM (preferably git), code reviews, CI.
- Experience developing firmware to execute in on-chip microcontrollers.
- Experience debugging firmware/hardware issues using JTAG, trace logs, or other lab tools.

**Preferred experience:**

- Knowledge of tools like PyTest or GoogleTest is an asset.
- Knowledge of software build environments, CI/CD, gcc/make is an asset
- Experience with lab hardware/firmware debug is an asset.
- Experience developing firmware for PCIe/CXL/Ethernet is an asset.

We know that creativity and innovation happen more often when teams include diverse ideas, backgrounds, and experiences, and we actively encourage everyone with relevant experience to apply, including people of color, LGBTQ+ and non-binary people, veterans, parents, and individuals with disabilities.

**Citizenship Requirement** N/A

## APPLICATION INFORMATION

**Application Procedure** Through Employer Website

**Cover Letter Required?** Optional

**Special Application Instructions**

**Application Link:** <https://job-boards.greenhouse.io/asteraeearlycareer/jobs/4489085005>

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

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.