Job Posting:173301 - Position: W26 Software Development Co-op 173301

Co-op Work Term Posted:	2026 - Winter
App Deadline	09/22/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	09/16/2025 10:55 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Microchip Technology Inc.
Address Line 1	8555 Baxter Pl
Address Line 2	105
City	Burnaby
Postal Code / Zip Code	V5A 4V7
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Winter
<b> Job Title <b>	W26 Software Development Co-op 173301
Position Type	Co-op Position
Job Location	Burnaby, BC
Country	Canada
Duration	4 or 8 months
Work Mode	In-Person
Salary Currency	CAD
Salary	Salary Not Available, 40 Major List
Salary Range $	22.75 - 34.5 Hourly

Job Description

We are looking for an energetic and self-motivated person in Computer Engineering or Computer Science to join our Software team in the Communication Business Unit at Microchip. We are building software for Microchip's leading-edge high-performance 64-bit System on Chip (SoC) devices, such as the PIC64-HPSC (https://www.microchip.com/en-us/products/microprocessors/64-bit-mpus/pic64-hpsc) designed for Space applications. These SoCs contain clusters of high-performance CPUs, running Linux and RTOS's, and supporting advanced Ethernet/TSN interfaces, Ethernet switching, PCIe/CXL, and other peripheral interfaces and specialized functions. Our software serves as the foundation for mission specific solutions developed by our customers for control and autonomous systems in space, aerospace, and other markets. Our focus is on technical excellence, teamwork, collaboration, and continuous improvement in an open and dynamic environment.

As a team, our focus is on technical excellence, teamwork, collaboration, and continuous improvements in an open and dynamic environment. As a Software Engineer Co-op, you will be part of a team of professionals working in an Agile development team environment with a focus on Test Driven Development practices. You will specialize in the development of embedded software written in C or C++ for OS'es like Linux, Rtems. You will also add new features to our device configurator tool that is developed in Python.

If you have a strong technical background in embedded software development, and embedded systems then this is the position for you!

Responsibilities

•Work with the Software team to collaboratively design/ code/ test new code features
•Troubleshoot and resolve issues reported by application engineers or customers.
•Participate in design and code reviews through formal and pair-programming techniques to ensure product quality.
•Define and execute test plans to ensure good test coverage.
•Create documentation such as design documents, user manuals, and release notes for delivered components.

Job Requirements

Qualifications:

•Working towards a Bachelor's Degree in Electrical Engineering, Computer Engineering, or equivalent.
•Solid working knowledge of C and Python.
•Experience working in a Linux development environment.
•Experience with software development tools such as Git/Bitbucket, Jira and VSCode
•Experience with Yocto or Builroot for Linux build environment
•Experience with embedded ARM, RISC-V, or MIPS is an asset
•Experience gdb debugger
•Excellent analytical, communication, and documentation skills.
•Have a systematic approach to problem-solving.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure	Through UBC Science Co-op
Cover Letter Required?	Optional
Address Cover Letter to	Avideh Shahabi