

Job Posting: 177899 - Position: S26 Software Tools Developer Intern 177899B

Co-op Work Term Posted:	2026 - Summer
App Deadline	02/06/2026 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	01/30/2026 03:53 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Octasic
City	Montreal
Province / State	QC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
 Job Title 	S26 Software Tools Developer Intern 177899B
Position Type	Co-op Position
Job Location	Montreal, QC
Country	Canada
Duration	4 months
Salary Currency	CAD
Salary	0.0 per hour for 0 Major List
Job Description	

Job Description

Founded in 1998, Octasic is a privately held company headquartered in Montréal, Canada, with Research and Development facilities in Canada and India, as well as a global sales support network. Octasic is a leading provider of SoCs (System on Chip), software, and integrated hardware and software platforms for the global wireless and multimedia gateway markets. Our hardware and software platforms form the foundation of next-generation wireless systems used by defense forces, law enforcement services, and national security agencies.

Join the team that creates Opus Studio, an integrated development environment (IDE) which also includes optimizing C/C++ compilers based on LLVM Project and the operating system (*micro-kernel*) for Octasic's multi-core digital signal processors platform. We enable software developers using our platform to develop high-performance Software Defined Radio applications for 5G and IoT.

We are looking for an exceptional software developer with an interest in embedded systems and software development tools to help us create a productive environment for our developers, providing them with tools to optimize their workflows, fully utilize the capabilities of our platform and help them gain actionable insight into their application's behavior and performance.

Description:

As part of the Software Development Tools Team your tasks will include:

- Collaboration with various development teams to understand their workflows and the tools that they need to be productive;
- Development of tools (compiler, linker, debugger, IDE, etc.), libraries and micro-kernel;
- Taking part of an Agile team to design, implement and validate new software while maintaining existing code base;
- Design embedded software and development tools that will help developers maximize the performance and fully exploit the capabilities of our digital signal processors;
- Your work will impact all applications developed on our platform. You have excellent communication and teamwork skills to be

able to interact and engage effectively with your teammates and a variety of R&D teams: SDR developers, customer support, etc.

Job Requirements

Key Qualifications:

- Experience programming in one or more of the following languages:
 - C/C++
 - C#
 - Go

Nice to have:

- Experience with assembly language programming;
- Experience developing IDEs or visualization tools;
- Experience with optimizing compilers, linkers or standard library implementation;
- Experience with micro-kernel and syscalls implementation;
- Experience in debugger's implementation (LLDB or other) and debug information (DWARF);
- Experience with SoC, communication protocols, TCP/IP, UDP, sockets, etc.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Special Application Instructions

Application Link: Octasic - Software Tools Developer Intern in Montreal East

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.