

Job Posting:167288 - Position: S25 Software Toolchains Engineering Internship (12 or 16 months) 167288B E1

Co-op Work Term Posted:	2025 - Summer
App Deadline	03/14/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	03/04/2025 02:51 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Qualcomm MEMS Technologies Inc.
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Summer
 Job Title 	S25 Software Toolchains Engineering Internship (12 or 16 months) 167288B E1
Position Type	Co-op Position
Job Location	Markham, ON
Country	Canada
Duration	12 or 16 months
Work Mode	To be confirmed
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List
Job Description	

Qualcomm Overview:

Qualcomm is a company of inventors that unlocked 5G ushering in an age of rapid acceleration in connectivity and new possibilities that will transform industries, create jobs, and enrich lives. But this is just the beginning. It takes inventive minds with diverse skills, backgrounds, and cultures to transform 5Gs potential into world-changing technologies and products. This is the Invention Age - and this is where you come in.

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General Summary:

Before there were smartphones or smart cities, before autonomous cars or 360° virtual reality videos, there was our technology. Headquartered in San Diego, for over 30 years Qualcomm inventions have inspired others to make the impossible, possible. From 5G to artificial intelligence, IoT to automotive and extended reality applications, Qualcomm is inventing the technologies of an intelligently connected future, spearheading research efforts for the next global wireless standard, and collaborating with industry leaders in the wireless value chain to make this future a commercial reality.?

We are looking for bright, energetic, motivated students to join Qualcomm's Canada 2024 intern class!

Software Toolchains Project

Do you want to understand how source code is turned into running programs on the latest SoC with advanced computer architecture with industry leading performance? Be part of the group that writes compilers and uses analysis to generate fast code, working closely with Qualcomm's CPU architects.

You will be working with a small, focused team of industry experts who are passionate about what they do and want to help you advance in your career. We have a number of projects available based upon your level and interest. They include:

- Analyzing the performance of industry benchmarks and implementing compiler changes to improve performance
- Implement data visualization methods to help our team and the CPU architects understand performance characteristics
- Run simulations of architectural features under development and communicate those results

Applicants: Qualcomm is an equal opportunity employer. If you are an individual with a disability and need an accommodation during the application/hiring process, rest assured that Qualcomm is committed to providing an accessible process. You may e-mail myhr.support@qualcomm.com or call Qualcomm's toll-free number found **here**. Upon request, Qualcomm will provide reasonable accommodations to support individuals with disabilities to be able participate in the hiring process. Qualcomm is also committed to making our workplace accessible for individuals with disabilities.

Qualcomm expects its employees to abide by all applicable policies and procedures, including but not limited to security and other requirements regarding protection of Company confidential information and other confidential and/or proprietary information, to the extent those requirements are permissible under applicable law.

To all Staffing and Recruiting Agencies: Our Careers Site is only for individuals seeking a job at Qualcomm. Staffing and recruiting agencies and individuals being represented by an agency are not authorized to use this site or to submit profiles, applications or resumes, and any such submissions will be considered unsolicited. Qualcomm does not accept unsolicited resumes or applications from agencies. Please do not forward resumes to our jobs alias, Qualcomm employees or any other company location. Qualcomm is not responsible for any fees related to unsolicited resumes/applications.

If you would like more information about this role, please contact Qualcomm Careers.

Job Requirements

Programming Languages:??

- Python/Perl or other scripting languages
- C/C++

Minimum Qualifications:?

- Strong academic records (GPA 3.0 or 72% and better);
- Excellent programming skills in Python, Perl, C/C++
- Ability to debug, root cause, and resolve issues spanning multiple subsystems.?
- Proven ability to own problems and drive them to a resolution
- Basic understanding of Computer Architecture/microarchitecture concepts
- Strong problem-solving skills
- Effective interpersonal communications skill (written and verbal)
- Analytical, thorough, resourceful and detail-oriented
- Self-motivated, hardworking, and flexible

Preferred Qualifications:?

- Academic experience with toolchains/compilers such as LLVM or GCC.
- Experience in Python, Debug, Gitlab, and Jira are all a plus

Educational Requirements:?

- In study towards a bachelors in one of the following: electrical engineering, computer engineering, computer science or related field
- For 12 or 16 month internships must be available May 2025 - May 2026 or May 2025 - August 2026
- Must be continuing education after the internship concludes.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Optional

Special Application Instructions

Application Link: <https://careers.qualcomm.com/careers/job/446702550395>

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.