## Job Posting: 177426 - Position: S26 FY26 Intern - Deep Learning Research Internship - Canada (4 months) II 177426B

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| **Co-op Work Term Posted:** | 2026 - Summer |
| **App Deadline** | 01/27/2026 09:00 AM |
| **Application Method:** | Through Employer Website |
| **Posting Goes Live:** | 01/20/2026 02:45 PM |
| **Job Posting Status:** | Approved |

## ORGANIZATION INFORMATION

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| **Organization** | Qualcomm MEMS Technologies Inc. |
| **Country** | Canada |

## JOB POSTING INFORMATION

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|---|---|
| **Placement Term** | 2026 - Summer |
| **<b> Job Title <b>** | S26 FY26 Intern - Deep Learning Research Internship - Canada (4 months) II 177426B |
| **Position Type** | Co-op Position |
| **Job Location** | Markham, ON |
| **Country** | Canada |
| **Duration** | 4 months |
| **Work Mode** | In-Person |
| **Salary Currency** | CAD |
| **Salary** | 0.0 per hour for 0 Major List |
| **Salary Range $** | $28.00 - $53.00 |

**Job Description**

ID: 3079952

# Company:

Qualcomm Canada ULC

**Job Area:**

Interns Group, Interns Group > Interim Engineering Intern - SW

**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.

**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, from 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.

The field of 2D generative modeling is advancing rapidly, continually expanding the boundaries of image synthesis and manipulation. This internship aims to harness recent breakthroughs, particularly in 2D diffusion models [1, 2], to investigate efficient

generative techniques such as few-step distillation [3, 4, 5] and high-resolution image generation [6, 7, 8]. The research will also extend into related areas including image editing, super-resolution, and restoration [9, 10, 11].

Responsibilities:
• Research and develop innovative approaches in 2D diffusion models for generative modeling.
•Extend research to adjacent tasks, such as super-resolution and image restoration.
•Explore and implement more efficient techniques to enhance the performance of generative models, focusing on computational efficiency.
•Conduct implementation of baselines for comparative evaluation on benchmarks, along with thorough ablation studies.
•The research conducted in this internship is aimed at advancing the field of 2D generative modeling, with the expectation of contributing to paper submissions at top-tier conferences in the field.
[1] High-Resolution Image Synthesis with Latent Diffusion Models, https://arxiv.org/abs/2112.10752
[2] SDXL: Improving Latent Diffusion Models for High-Resolution Image Synthesis, https://arxiv.org/abs/2307.01952
[3] SANA-Sprint: One-Step Diffusion with Continuous-Time Consistency Distillation, https://arxiv.org/abs/2503.09641 [4] Consistency Models, https://arxiv.org/abs/2303.01469 [5] Adversarial Diffusion Distillation, https://arxiv.org/abs/2311.17042
[6] SANA: Efficient High-Resolution Image Synthesis with Linear Diffusion Transformers, https://arxiv.org/abs/2410.10629
[7] PixArt-Σ: Weak-to-Strong Training of Diffusion Transformer for 4K Text-to-Image Generation, https://arxiv.org/abs/2403.04692
[8] DemoFusion: Democratising High-Resolution Image Generation With No $$$, https://arxiv.org/abs/2311.16973
[9] InstructIR: High-Quality Image Restoration Following Human Instructions, https://arxiv.org/abs/2401.16468
[10] Scaling Up to Excellence: Practicing Model Scaling for Photo-Realistic Image Restoration In the Wild, https://arxiv.org/pdf/2401.13627
[11] The Power of Context: How Multimodality Improves Image Super-Resolution, https://arxiv.org/abs/2503.14503

Programming Languages:
• Python

Minimum Qualification:
• Pytorch
•Neural network architecture development and evaluation
•Computer Vision
**Work Location:** This is a full-time, onsite position based in Markham. The role requires working from our office **five days a week**. **Hybrid or remote work arrangements are not available.**
**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.
**Pay range and Other Compensation & Benefits:**
$28.00 - $53.00

The above pay scale reflects the broad, minimum to maximum, pay scale for this job code for the location for which it has been posted. Even more importantly, please note that salary is only one component of total compensation at Qualcomm. We also offer a competitive annual discretionary bonus program and opportunity for annual RSU grants (employees on sales-incentive plans are not eligible for our annual bonus). In addition, our highly competitive benefits package is designed to support your success at work,

at home, and at play. Your recruiter will be happy to discuss all that Qualcomm has to offer.

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

# Job Application Privacy Notice

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# Use of AI in the Application Process

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# Equal Employment Opportunity

Equal Employment Opportunity

"EEO is the Law" Poster Supplement

Pay Transparency Non-Discrimination Provision

Employee Polygraph Protection Act

Family Medical Leave Act

Rights of Pregnant Employees

Discrimination and Harassment

California Family Rights Act

Qualcomm Right to Inspect

### Job Requirements

***Educational Requirements:***

• In study towards a Bachelors. Masters or PHD degree in one of the following: Electrical Engineering, Computer Engineering, Computer Science

•Eligible candidates must have a graduation date in December 2026 or later, including May or June 2027.

•For 4-month internships: must be available May 2026 - August 2026

**Citizenship Requirement** N/A

## APPLICATION INFORMATION

**Application Procedure** Through Employer Website

**Special Application Instructions**

Application Link:
https://careers.qualcomm.com/careers?location=canada&seniority=Intern&pid=446714977804&domain=qualcomm.com&sort_by=relevance&triggerGoButton=false

**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.**