

## **Job Posting:166058 - Position: S25 Co-op Researcher - Machine Learning and LLM 166058 E2**

<b>Co-op Work Term Posted:</b>	2025 - Summer
<b>App Deadline</b>	03/04/2025 09:00 AM
<b>Application Method:</b>	Through Employer Website
<b>Posting Goes Live:</b>	02/18/2025 10:15 AM
<b>Job Posting Status:</b>	Expired

### **ORGANIZATION INFORMATION**

<b>Organization</b>	Huawei Canada
<b>Address Line 1</b>	4321 Still Creek Dr
<b>City</b>	Burnaby
<b>Postal Code / Zip Code</b>	V5C 6S7
<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 Co-op Researcher - Machine Learning and LLM 166058 E2
<b>Position Type</b>	Co-op Position
<b>Job Location</b>	Edmonton, Alberta
<b>Country</b>	Canada
<b>Duration</b>	8 or 12 months
<b>Work Mode</b>	In-Person
<b>Salary Currency</b>	CAD
<b>Salary</b>	Salary Not Available, 40 Major List
<b>Salary Range \$</b>	30-40 CAD/hour
<b>Job Description</b>	

#### **About the team:**

The Software-Hardware System Optimization Lab continuously improves the power efficiency and performance of smartphone products through software-hardware systems optimization utilization of AI throughout difference components. We keep tracking the trends of cutting-edge technologies, building the competitive strength of mobile AI, competitive camera Perceptual quality, graphics, multimedia, and software architecture for mobile phone products.

#### **About the job:**

- Research and implement algorithms to improve image quality for camera products: Focus on developing and optimizing deep learning-based algorithms to enhance image quality.
- Implement and manipulate existing Large Language Models (LLMs) from open-source platforms: Work with senior researchers to adapt and fine-tune LLMs for imaging-related challenges.
- Study advancements in camera color styles and tone mapping: Stay informed on the latest developments in color science and tone mapping to support innovative research.

- Conduct literature reviews and summarize works related to the field: Review current research, synthesize key findings, and provide insights for the team.
- Participate in research meetings, document ideas, and implement solutions using PyTorch and OpenCV: Contribute to team discussions and apply tools like PyTorch and OpenCV to implement image processing solutions and or fine-tuning of an ISP DNN module.

## Job Requirements

## What you'll bring to the team:

- Enrolled in an undergraduate or MSc program in computer science, computer engineering, or related fields.
- Solid understanding of machine learning, AI, and related concepts.
- Knowledge of statistics, exploratory analysis, and basic image processing tools in OpenCV.
- Strong coding skills in Python, experience with multi-processing, GitHub, and Linux shell scripting.
- Experience with foundation models, LLMs, LMMS, and Hugging Face is a plus.
- Familiarity with low-level image processing techniques such as color coordinates, tone mapping, white balancing, and image quality assessment is a bonus.
- Excellent communication skills, self-motivated, and a creative thinker with strong attention to detail.

**Citizenship Requirement** N/A

**Position Start Date** May 06, 2025 12:00 AM

## APPLICATION INFORMATION

**Application Procedure** Through Employer Website

**Cover Letter Required?** Optional

### Special Application Instructions

Please apply the position through Huawei Canada Career Website: **Co-op Researcher - Machine Learning and LLM**