

## Job Posting:168919 - Position: F25 AI S/W Engineer Co-op 168919 E2

<b>Co-op Work Term Posted:</b>	2025 - Fall
<b>App Deadline</b>	05/20/2025 09:00 AM
<b>Application Method:</b>	Through UBC Science Co-op
<b>Posting Goes Live:</b>	05/13/2025 07:58 AM
<b>Job Posting Status:</b>	Approved

### ORGANIZATION INFORMATION

<b>Organization</b>	Solidigm
<b>Address Line 1</b>	900 - 450 SW Marine Drive
<b>City</b>	Vancouver
<b>Postal Code / Zip Code</b>	V5X 0C3
<b>Province / State</b>	BC
<b>Country</b>	Canada

### JOB POSTING INFORMATION

<b>Placement Term</b>	2025 - Fall
<b>&lt;b&gt; Job Title &lt;b&gt;</b>	F25 AI S/W Engineer Co-op 168919 E2
<b>Position Type</b>	Co-op Position
<b>Job Location</b>	Vancouver, BC
<b>Country</b>	Canada
<b>Duration</b>	8 months
<b>Work Mode</b>	Hybrid
<b>Salary Currency</b>	CAD
<b>Salary</b>	Salary Not Available, 40 Major List
<b>Salary Range \$</b>	\$59,500 to \$72,300 per year
<b>Job Description</b>	

**Salary:** \$59,500 to \$72,300 per year depending on the student's work term.

#### **Vancouver Office**

Located in South Vancouver's urban town center at Cambie Street and SW Marine Drive, the Solidigm site features direct access to the Canada line, bus transit, shops, restaurants, health care facilities and a movie theater. The site is also a quick 15 minute Skytrain ride from downtown Vancouver. Solidigm co-ops will have access to a fully equipped gym on site, massage chair, board games, foosball, ping-pong table and an arcade machine. We offer a tremendous amount of learning opportunities for the ideal self-starter to challenge themselves in a supportive and collaborative working environment. Solidigm promotes a strong work-life balance through events and club activities for co-ops to engage in. The Vancouver team plays a critical role in supporting the Solidigm vision through our capabilities in SoC Design, Firmware Development, as well as SSD Hardware and

Mechanical designs.

### **Position Description**

A co-op term with the DCE (Data Center Engineering) group is a challenging and rewarding experience, allowing you to gain knowledge and skills in the design and test of integrated circuit and module products for the next generation of SSDs. As a member of our AI SW team, you will work alongside experienced engineers to solve new and interesting problems, making an important contribution to our exciting high-performance SSD projects. Please note that Solidigm has a hybrid work policy however Vancouver co-ops are expected to be in the office for a minimum of 4 days per week with the option of working 1 day from home, subject to approval from your manager.

**The AI S/W Engineer Co-op position(s) for this listing is as follows:**

### **AI S/W Engineer Co-op**

We are looking for enthusiastic students with excellent communication and interpersonal skills, strong problem-solving ability, a desire to learn and a good background of AI including machine learning, deep learning, reinforcement learning, and LLMs. Some of the responsibilities of this role will include but are not limited to:

- Work with the firmware team to understand the exact problem which needs to be automated and provide an AI model best suited for that process
- Generate the proper training set with labels (or without for unsupervised or selfsupervised learning). In the case of reinforcement learning, define a correct MRDP which captures the essence
- Develop an end-to-end solution using torch, perform the training, validation and then the testing
- Hyper-parameter optimization to ensure that the model is a proper fit

### **Job Requirements**

#### **Minimum**

#### **Qualifications:**

- Solid background in the area of ML/DL, RL and LLMs
- Strong debugging and problem-solving skills
- Strong Python programming experience
- Excellent written and verbal communication skills
- Experience with project-based teamwork??

**Preferred Qualifications:** • Should have solved some real world problems involving DL, RL and LLMs

- Should have the know-how of how to use different modules in torch or any OS code to create an E2E solution

Job assignments will be based on available projects during the work term and on the skills

and interests of the student. We encourage both undergraduate and graduate candidates to apply.

We encourage students with relevant work experience (other co-op terms, work experience) to apply.

**Citizenship Requirement** N/A

## **APPLICATION INFORMATION**

**Application Procedure** Through UBC Science Co-op

**Cover Letter Required?** Yes

**Address Cover Letter to** Hiring Manager

### **Special Application Instructions**

1. Please include a cover letter and recent transcripts with your application.
2. If you are not a permanent resident or Canadian citizen but you are interested in this position, please note down that you are an international student on your resume
3. Please note your work availability on your resume (minimum 8 months availability, please note if available for up to 12 months)