

## Job Posting:167881 - Position: S25 Intern - Software Engineering (ML) and Hardware/Firmware Support 167881

**Co-op Work Term Posted:** 2025 - Summer  
**App Deadline** 03/20/2025 09:00 AM  
**Application Method:** Through UBC Science Co-op  
**Posting Goes Live:** 03/13/2025 11:03 AM  
**Job Posting Status:** Approved

### ORGANIZATION INFORMATION

**Organization** Zepp Health  
**Country** Canada

### JOB POSTING INFORMATION

**Placement Term** 2025 - Summer  
**<b> Job Title <b>** S25 Intern - Software Engineering (ML) and Hardware/Firmware Support 167881  
**Position Type** Co-op Position  
**Job Location** Vancouver, BC  
**Country** Canada  
**Duration** 4 or 8 months  
**Salary Currency** CAD  
**Salary** 4000.0 per month for 0 Major List  
**Job Description**

#### Role Summary:

In this role, you'll be responsible for designing and optimizing an API framework to support high-concurrency, low-latency operations within a cloud-based ML ecosystem. The system involves managing extended prediction runtimes and ensuring reliable client-server synchronization. Additionally, you will assist in debugging and fine-tuning device-level firmware issues, collaborating closely with our hardware team to ensure seamless integration and performance.

#### Key Responsibilities:

- Design and develop a scalable ML app API to handle high volumes of client requests with low latency, optimizing endpoints for continuous server-client communication.
- Develop strategies for managing multiple simultaneous requests, load balancing, and efficient queuing for long-running ML predictions.
- Collaborate with the hardware team to troubleshoot and debug firmware and hardware issues as they arise.
- Conduct rigorous performance testing, identifying and implementing solutions to reduce latency and enhance reliability.
- Create clear documentation of APIs, workflows, and solutions for team alignment and future reference.
- Participate in team discussions to provide updates, address challenges, and align on objectives.

#### Duration:

4 to 8 months.

### Job Requirements

#### Qualifications:

- Current student or recent graduate in Computer Science, Electrical Engineering, Engineering Physics, or a related field.
- Knowledge of server-client API design, particularly for cloud-based applications.
- Experience or coursework in machine learning, data processing, and handling real-time communication.
- Basic understanding of hardware debugging and firmware support is a plus.

- Strong analytical and problem-solving skills, with the ability to learn and adapt quickly.
- Familiarity with LLM APIs (like GPT, API) is a plus.
- Prior Software Engineering/MLOps Internship experience is a plus.

**Citizenship Requirement**                      N/A

## **APPLICATION INFORMATION**

<b>Application Procedure</b>	Through UBC Science Co-op
<b>Cover Letter Required?</b>	Optional
<b>Address Cover Letter to</b>	Sini Fong