Job Posting:174826 - Position: W26 Software Engineer Intern 174826B

Co-op Work Term Posted:	2026 - Winter
App Deadline	11/03/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	10/27/2025 03:05 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	LED Smart Inc.
Address Line 1	18905 32 Ave
City	Surrey
Postal Code / Zip Code	V3Z 1A7
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Winter
<b> Job Title <b>	W26 Software Engineer Intern 174826B
Position Type	Co-op Position
Job Location	Surrey, BC
Country	Cannada
Duration	8 or 12 months
Work Mode	In-Person
Salary Currency	CAD
Salary	42000.0 per year for 0 Major List

Job Description

About the Role

We are seeking a Software Engineering Intern to join our development team working on AI-driven IoT control systems.
You will help design and implement software running on a Linux-based control box that connects to Thread and Bluetooth mesh networks, and supports local AI modules for intelligent lighting and environmental control.
This internship offers an opportunity to gain hands-on experience in embedded Linux programming, real-time system control, and AI applications in industrial automation.

Responsibilities

• Assist in the design, coding, and testing of embedded Linux applications for IoT device control.
•Implement and optimize AI algorithms for local/edge execution to enhance control accuracy and efficiency.
•Support data collection and preprocessing from sensors and devices to train and refine AI models.
•Collaborate with hardware engineers for system integration and performance verification.
•Work with App and Web developers to synchronize AI-generated decisions with user interfaces.
•Participate in bug tracking, testing, and documentation.
•Research relevant AI frameworks (e.g., TensorFlow Lite, ONNX Runtime, PyTorch Mobile) for deployment on embedded systems.
•Contribute to code versioning and best development practices (Git).
•Support R&D efforts on smart lighting, irrigation, and environmental control projects.Perform other duties as assigned by management.
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Learning Opportunities

• Hands-on experience with embedded Linux and AI integration.
•Exposure to Thread and Bluetooth mesh IoT networks.
•Mentorship from senior engineers on real-world R&D projects.
•Opportunity to contribute to next-generation AI-based industrial control systems.

Job Requirements

Qualifications

• Enrolled in Computer Science, Computer Engineering, or Electrical Engineering (3rd or 4th year preferred).
•Programming experience in C/C++ and Python.
•Familiarity with Linux system programming and basic networking (TCP/IP, Bluetooth, or Wi-Fi).
•Interest in AI/ML applications for IoT or embedded systems.
•Knowledge of web development (HTML/CSS/JavaScript) is an asset.
•Experience with Git and debugging tools preferred.
•Curiosity, initiative, and ability to learn new technologies quickly.

Education

• Currently pursuing a Bachelor's degree in Computer Science, Computer Engineering, or Electrical Engineering.

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

For this position, LED Smart is hoping to hire and start someone as soon as possible. You may start out working part time until December 2025, and transition to full time afterwards for the Winter 2026 term. The position is in-person at the Surrey location.