Job Posting:169593 - Position: F25 Embedded Software Engineer Co-op 169593B

Co-op Work Term Posted:	2025 - Fall
App Deadline	05/21/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	05/12/2025 09:57 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Corinex Communications Corp
City	Vancouver
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
<b> Job Title <b>	F25 Embedded Software Engineer Co-op 169593B
Position Type	Co-op Position
Job Location	Vancouver, BC
Country	Canada
Duration	8 months
Work Mode	In-Person
Salary Currency	CAD
Salary	0.0 per hour for 0 Major List
Salary Range $	$29 - $35

Job Description

Hours: 30 hours - 35 hours

About Us

Corinex is at the forefront of the global decarbonization movement, empowering prosumers to generate and consume electricity from distributed energy resources (DERs) such as renewable energy, EVs, heat pumps, and batteries. This decentralized approach to electricity generation and consumption introduces challenges like unpredictable power quality fluctuations and surges, creating significant opportunities for innovation. As a leading Cleantech company, Corinex provides advanced technology solutions that enhance grid flexibility and visibility. Our high-speed, secure connectivity solutions enable comprehensive monitoring and control of DERs over existing utility powerline infrastructure. Our standardized solutions have positioned us as industry leaders, demonstrated by our rapid international growth and sustained profitability.

We pride ourselves on fostering a fast-paced, dynamic, and collaborative work environment that thrives on an entrepreneurial spirit. Certified as a Great Place to Work, our employees are integral to our success. We seek professionals who are passionate about making a global impact, bringing energy, enthusiasm, creativity, and an open mind to their work. We work hard but also know how to play and laugh, always with respect. We enjoy leading in our field and value risk-takers, visionaries, and those with strong execution skills.

If you are excited about contributing to global decarbonization through innovative, market-validated technology, we want to hear from you!

About The Job

We are seeking an Embedded Software Engineer to design and develop control systems for power devices. The ideal candidate

will have experience in controlling power devices such as photovoltaic inverters, heat pump devices, electric vehicle charging equipment, battery charging control systems, and substation meters. Expertise in embedded systems development and proficiency in C/C++ programming languages are essential. Knowledge of grid flexibility, visibility, and G100 regulation is highly valued.

Duties and Responsibilities

• Design, develop, and maintain control systems for power devices with a focus on enhancing grid flexibility and visibility.
•Develop and integrate control systems for various power devices, including photovoltaic inverters, heat pump devices, electric vehicle charging equipment, battery charging control systems, and substation meters.
•Write and optimize software code for embedded systems to ensure efficient and stable operation, contributing to overall grid stability.
•Analyze and resolve technical problems encountered during the development and operational phases, ensuring effective grid management.
•Collaborate with cross-functional teams to ensure timely completion of projects and adherence to quality standards.
•Participate in system testing, validation processes, and prepare related technical documentation to support grid monitoring and control.

Why Join Us?

• Impactful Work: Contribute to global decarbonization efforts with innovative technology.
•Collaborative Environment: Work in a dynamic, entrepreneurial setting with a supportive team.
•Professional Growth: Opportunities for continuous learning and career development.
•Great Culture: Certified as a Great Place to Work, we value respect, creativity, and having fun while making a difference.

Job Requirements

Qualifications

• Working towards a Bachelor's degree or higher in Electrical Engineering, Automation, Computer Science, or related fields.
•Experience in power device control system development; knowledge of grid flexibility, visibility, and familiarity with G100 regulation is highly welcomed.
•Proficient in C/C++ programming languages with extensive experience in embedded systems development.
•Familiarity with control principles of power devices such as photovoltaic inverters, heat pump devices, electric vehicle charging equipment, battery charging control systems, and substation meters.
•Strong analytical skills with the ability to assess complex systems and troubleshoot issues effectively, contributing to grid stability and performance.
•Excellent teamwork and communication skills, with the ability to collaborate effectively with colleagues from different disciplines.
•Strong learning ability and adaptability to new technologies and environments.
•High level of attention to detail to ensure precision and accuracy in all aspects of work, from coding to system integration and testing.
•Ability to manage multiple tasks and projects simultaneously, prioritize workloads, and meet deadlines. Experience in agile development methodologies is a plus.

Citizenship Requirement Canadian & Permanent Residents Only

APPLICATION INFORMATION

Application Procedure Through UBC Science Co-op
Cover Letter Required? Yes
Address Cover Letter to Esra Gulbay