Job Posting: 178337 - Position: S26 Computer Science Co-Op (AI-Driven Product Development) 178337B

Co-op Work Term Posted: 2026 - Summer
App Deadline   02/20/2026 09:00 AM
Application Method: Through Employer Website
Posting Goes Live: 02/13/2026 04:10 PM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization   Critical Environment Technologies
Address Line 1   #145 - 7391 Vantage Way
City   Delta
Postal Code / Zip Code   V4G 1M3
Province / State   BC
Country   Canada

JOB POSTING INFORMATION

Placement Term   2026 - Summer
<b> Job Title <b>   S26 Computer Science Co-Op (AI-Driven Product Development) 178337B
Position Type   Co-op Position
Job Location   Delta, BC
Country   Canada
Duration   4 or 8 months
Work Mode   In-Person
Salary Currency   CAD
Salary   20.0 per hour for 40 Major List

Job Description

ABOUT US:

Critical Environment Technologies ("CET") is a well-established & rapidly growing manufacturer of gas detection and indoor air quality systems based in Delta, BC. CET has designed & developed more than 50 different products that are sold in all states & provinces and can be found in more than 20 countries globally. Our transmitters, controllers and self-contained units are installed in commercial HVAC, institutional, municipal, and industrial applications all over the world.

ABOUT YOU:

We are seeking a Computer Science Co-op to join our development team. This role is ideal for a student eager to apply the latest AI development practices in a practical, product-focused environment. You'll work on meaningful projects that directly enhance how our customers configure and interact with our products.

You'll have the opportunity to:

• Design and build a Bluetooth-enabled application for gas detection systems and field service, enabling device configuration, monitoring, and interaction using modern web and mobile technologies (e.g., React, React Native, and related frameworks)
• Collaborate with our engineering team to improve usability, reliability, and scalability of tools that support safety-critical products
• Set up, maintain, and manage build pipelines and development environments

This role offers hands-on experience, mentorship from senior engineers, and a chance to see your work make a real difference in

our products and processes.

This is a full-time in-person co-op position, and we're open to all co-op lengths - though longer terms are preferred for deeper project ownership. If you're in your final semester and it's a great fit, there's potential for a full-time offer after graduation.

KEY RESPONSIBILITIES:

Development & Implementation

• Design, develop, and test web and mobile applications used for product configuration and management
• Set up, maintain, and manage build pipelines and development environments
• Re-architect existing internal tools (e.g., Production Software) into scalable, cloud-hosted systems
• Contribute to front-end development using React or React Native (or similar frameworks)
• Write clean, efficient, and maintainable code following best practices

Testing & Documentation

• Participate in software testing, debugging, and validation
• Document development processes, design decisions, and testing outcomes

Collaboration

• Work closely with hardware and firmware engineers to ensure seamless integration between systems
• Participate in sprint reviews and team meetings, providing input and ideas for improvement

WHY JOIN US?

• Competitive compensation with performance related incentives
• Be part of a team that values innovation, learning, and contribution
• Work on projects that impact real products used in critical safety applications
• Gain hands-on experience in full-stack and cloud-based development
• Learn from experienced engineers and mentors
• Opportunity for full-time employment after graduation if there's mutual interest and fit
• Join a culture that invests in growing smart, capable people

Job Requirements

REQUIRED EXPERIENCE:

• Self-starter who enjoys learning new technologies and working with AI-driven workflows
• Currently enrolled in a Computer Engineering, Computer Science, Software Engineering, or related co-op program; preference for a 3rd or 4th year student
• Hands-on experience using AI-assisted software development tools (e.g. Lovable, or similar)
• Familiarity with React, React Native, or similar front-end frameworks
• Understanding of modern web development (HTML, CSS, JavaScript/TypeScript)
• Exposure to modern cloud platforms and AI-enabled tooling (Cursor, Supabase, Vercel, etc.)
• Experience integrating AI into development workflows, such as code generation, refactoring, debugging, testing, or documentation
• Solid problem-solving and analytical skills
• Strong communication and collaboration abilities

BONUS EXPERIENCE:

• Industry Experience - Experience with Gas Detection, HVAC, Controls and/or Instrumentation
• Technical Background - A background in engineering or a related technical discipline

Citizenship Requirement   N/A

APPLICATION INFORMATION

Application Procedure   Through Employer Website

Special Application Instructions

Application Link: https://cetci.bamboohr.com/careers/66

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received.

Students should submit their applications as soon as they are ready.