

Job Posting:172091 - Position: F25 Embedded Software Tester 172091B

Co-op Work Term Posted:	2025 - Fall
App Deadline	08/28/2025 11:59 PM
Application Method:	Through Employer Website
Posting Goes Live:	08/22/2025 09:49 AM
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	2025 - Fall
 Job Title 	F25 Embedded Software Tester 172091B
Position Type	Co-op Position
Job Location	Delta, BC
Country	Canada
Duration	4 or 8 months
Salary Currency	CAD
Salary	20.0 per hour for 0 Major List

Job Description

We are seeking a motivated and detail-oriented Embedded Software Intern to join our testing team. In this role, you will work on evaluating and validating embedded software used in gas detector systems. This is an excellent opportunity for students or recent graduates to gain hands-on experience in software testing for critical safety systems in a collaborative and innovative environment.

Key Responsibilities

Testing and Debugging

- Conduct functional, performance, and regression testing of firmware and software.
- Perform hardware testing to validate system functionality under various conditions.
- Identify, document, and track bugs, issues, or inconsistencies using issue-tracking tools.
- Assist in setting up test environments and ensuring accurate test execution.

Documentation

- Prepare detailed test reports, highlighting findings and recommendations for software improvements.
- Maintain documentation of testing procedures and results to ensure traceability and compliance with quality standards.

Collaboration

- Work closely with software and hardware engineers to troubleshoot and resolve issues.
- Participate in team meetings and provide insights on testing progress and challenges

Length of Work Term: 4, 8, 12 or 16 months

Job Requirements

Qualifications

- Currently pursuing or recently completed a Bachelor's or Master's degree in Computer Engineering, Electrical Engineering, Embedded Systems, or a related field.

Skills

- Basic knowledge of embedded systems and microcontrollers.
- Familiarity with programming languages such as C/C++.
- Experience with testing tools (e.g., oscilloscopes, logic analyzers, or debuggers).
- Understanding of software development and testing lifecycle.
- Strong analytical and problem-solving skills.
- Attention to detail and commitment to quality.
- Ability to work both independently and collaboratively in a team environment.

Preferred (Not Mandatory)

- Knowledge of gas detection technologies or sensor systems.
- Familiarity with Agile methodologies and version control systems (e.g., Git).

Benefits

- Gain hands-on experience in testing safety-critical embedded systems.
- Work with a team of experienced engineers and mentors.
- Access to cutting-edge technologies and tools.
- Networking opportunities within the industry.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Yes

Address Cover Letter to Hiring Manager

Special Application Instructions

Application Link: <https://cetci.bamboohr.com/careers/62>

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.