

Job Posting:171137 - Position: F25 Co-op Position 171137

Co-op Work Term Posted:	2025 - Fall
App Deadline	07/10/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	07/03/2025 03:01 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Xantrex Technology Inc.
Address Line 1	3700 Gilmore Way
City	Burnaby
Postal Code / Zip Code	V5G 4M1
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
 Job Title 	F25 Co-op Position 171137
Position Type	Co-op Position
Job Location	Burnaby, BC
Country	Canada
Duration	8 or 12 months
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List

Job Description

Job Description:

Xantrex (www.xantrex.com) is currently seeking a Software Test Automation/Embedded Development Engineering Co-op, to assist in writing, testing and verification of software (apps and embedded Firmware) for our mobile power inverters, inverter/chargers, and communications related products.

Duties/Responsibilities:

- Collaborate in the architecture, design, implementation, and maintenance of firmware running a multi-interface communication module.
- Develop detailed requirements and specifications based on product and system requirements, working in concert with marketing managers, engineering project managers, and other multi-discipline technical leaders in multiple locations.
- Works closely with embedded firmware engineers and system engineers to implement specified functionality.
- Promotes and embraces the Test Driven Development (TDD) and Agile (Scrum) methodologies.
- Follows established development guidelines and standards and makes recommendations for improvements.
- Writes test plans and conducts design verification tests. Debugs firmware based on test results and issues identified by other testers.
- Prepares and supervises preparation of technical documents and diagrams as required by the Company's Product Creation and Support processes and firmware development standards.
- Execute manual and automated software tests on embedded software features
- Develop python test automation for communication and control features
- Setup and maintain test automation environment and infrastructure including test PCs, inverters, data loggers, AC and DC

- sources and loads, and python test libraries
- Write new feature tests with clear requirements mapping to demonstrate test coverage
- Analyze, document, and publish test results to stakeholders
- Work with development engineers to duplicate and demonstrate issues
- Enter and verify software issue reports

Job Requirements

Job Requirements:

- Python test automation experience
- C/C++ language experience is highly desired
- Basic familiarity with electronic circuitry
- Ability to carry and move equipment when setting up new test stations
- Strong problem troubleshooting and multitasking skills
- Excellent communication skills in English, verbal and written, are required

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure	Through UBC Science Co-op
Cover Letter Required?	Optional
Address Cover Letter to	Hiring Manager