Job Posting:174111 - Position: W26 Spacecraft Software Specialist Co-op 174111

Co-op Work Term Posted: 2026 - Winter
App Deadline   10/16/2025 09:00 AM
Application Method: Through Employer Website
Posting Goes Live: 10/06/2025 03:36 PM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization   University of Victoria - Center for Aerospace Research
Address Line 1   Hangar 30-101 9800 McDonald Park Rd.
City   Sidney
Postal Code / Zip Code   V8L 5W5
Province / State   British Columbia
Country   Canada

JOB POSTING INFORMATION

Placement Term   2026 - Winter
<b> Job Title <b>   W26 Spacecraft Software Specialist Co-op 174111
Position Type   Co-op Position
Job Location   Victoria, BC
Country   Canada
Duration   8 months
Work Mode   In-Person
Salary Currency   CAD
Salary   3200.0 per month for 40 Major List

Job Description

The University of Victoria's Centre for Aerospace Research (UVic CfAR) has become a Canadian leader in CubeSat as well as Unmanned Air Systems research, design, integration, and testing. Our team of engineers, post-docs, and graduate and co-op students focus on creating cutting-edge designs from initial concepts to flight operations. See more about CfAR here: https://www.uvic-cfar.com/.

Description

The Spacecraft Software Specialist Co-op will work on the design and development of flight and ground software for use on CubeSats and small spacecraft. The selected applicant will support CfAR's current and future space missions throughout the entire lifecycle, from concept development to on-orbit operation. The individual must be capable of using sound engineering judgement to solve complex problems that are influenced by a variety of competing factors.

This position is an eight-month term. The selected applicant can expect to work 40 hours a week (Monday to Friday, 9AM to 5PM), with a salary of $3,200/month paid in two installments (on the 15th and the last day of the month). This role is an in-person position at the University of Victoria campus in Victoria, British Columbia.

Responsibilities

Responsibilities will vary based on candidates experience and interests, but may include:

• Software development for the mission control software which is used for command and control of spacecraft from the ground station at UVic

• Development of embedded software for microcontrollers and microprocessors, including bare metal, RTOS and embedded Linux development

•Preparation of test scripts and test firmware to assist verification and validation testing of various spacecraft subsystem and the ground station
•Other duties as assigned

UVic is committed to upholding the values of equity, diversity, inclusion and human rights in our living, learning and work environments. In pursuit of our values, we seek members who are eager to actively participate in that shared responsibility. We actively encourage applications from members of historically and systemically marginalized groups. Read our full equity statement.

Job Requirements

Qualifications
• Required:
• **Education**: Electrical/Computer Engineering or Computer Science Student 3rd/4th Year.
•Demonstrated experience with C and Python.
•An understanding of, and experience with the software development life cycle, including coding standards, code reviews, source control (e.g. Git), build systems (e.g. CMake)
•Previous technical co-op experience with software development.
•Strong verbal and written communication skills.
•Ability to comprehend complex engineering documentation, project plans and schedules, technical specifications, scientific and technical journals.
•Ability to work independently with minimal supervision.
•Must be eligible to work legally in Canada
•Preferred:
• Experience working with embedded Linux systems (Ex. Buildroot, Yocto).
•Experience working with FreeRTOS.
•Basic soldering and rework skills.
•Experience with Amateur radio, Amateur radio certificate.
•Experience with electrical hardware (PCB design, electrical test equipment, ect.).
•Experience with Engineering Teams / Clubs.

Citizenship Requirement	N/A
Position Start Date	January 01, 2026 12:00 AM
Position End Date	August 31, 2026 12:00 AM

APPLICATION INFORMATION

Application Procedure	Through Employer Website
Cover Letter Required?	Yes
Address Cover Letter to	Hiring Manager

Special Application Instructions

Applicants must submit their cover letter, resume, and unofficial transcript via email to apply.cfar@uvic.ca
Incomplete applications will not be considered due to volume of applications received. If you require accommodations or have any questions or concerns throughout the application process, please email us at apply.cfar@uvic.ca.
Please note due to the large volume of applications received, we are unable to provide any feedback on unsuccessful applications. Candidates will be contacted within 2 weeks of submission deadline
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.