**Job Posting:167527 - Position: S25 Internship - Space Exploration Development - Avionics and Software167527**

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| **Co-op Work Term Posted:** | 2025 - Summer |
| **App Deadline** | 03/12/2025 11:59 PM |
| **Application Method:** | Through Employer Website |
| **Posting Goes Live:** | 02/28/2025 04:15 PM |
| **Job Posting Status:** | Approved |

## ORGANIZATION INFORMATION

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| **Organization** | Canadian Space Agency |
| **Country** | Canada |

## JOB POSTING INFORMATION

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|---|---|
| **Placement Term** | 2025 - Summer |
| **<b> Job Title <b>** | S25 Internship - Space Exploration Development - Avionics and Software167527 |
| **Position Type** | Co-op Position |
| **Job Location** | Remote |
| **Country** | Canada |
| **Duration** | 4 months |
| **Work Mode** | Fully Remote |
| **Salary Currency** | CAD |
| **Salary** | Salary Not Available, 0 Major List |

**Job Description**

**Context**: Canadian Space Agency (CSA) Space Exploration missions developed so far have extended to basic autonomous functions while the application of AI to Space Missions has a low Technology Readiness Level (TRL). The objective of this internship is to explore an applied area of a Space Exploration mission and develop an AI solution with a tangible outcome.

**Task description**: Depending on the experience of the student (LLM vs. Machine Learning), several problem sets have been identified for development. The student will be supplied a software development environment and access to the required data and is expected to follow a structured approach to develop a solution and conclude in a demonstration to CSA managers as well as a final report documenting the approach, solution, findings and recommendations.

**Job Requirements**

**Required skills:**
Proficiency with at least one programming language (e.g. C++, Python)
Familiarity with applying Artificial Intelligence (AI) models to problem sets, either Large Language Models (LLM) or Machine Learning (for example, working with OLLAMA models, Tensorflow)
Knowledge of space applications, spacecraft or robotic systems (asset)

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| **Citizenship Requirement** | N/A |

## APPLICATION INFORMATION

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| **Application Procedure** | Through Employer Website |

## Special Application Instructions

**Apply for job here: <u>Internship - Space Exploration Development - Avionics and Software</u>**

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

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.