

Job Posting: 178038 - Position: S26 Internship - Simulations and planning for the QEYSSat mission 178038

Co-op Work Term Posted:	2026 - Summer
App Deadline	02/15/2026 11:59 PM
Application Method:	Through Employer Website
Posting Goes Live:	02/04/2026 02:08 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Canadian Space Agency
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
 Job Title 	S26 Internship - Simulations and planning for the QEYSSat mission 178038
Position Type	Co-op Position
Job Location	Longueuil, QC
Country	Canada
Duration	4 months
Work Mode	To be confirmed
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List

Job Description

The Canadian Space Agency (CSAQEYSSatQKD) in space.

This internship will involve working with a team of engineers and scientists from the CSA to support the development of the ground operation procedures for the upcoming QEYSSat mission. The intern will run simulations of quantum key distribution to identify potential factors impacting the key generation performance. The intern will also contribute to the development of procedures and documents for planning and tracking use of the satellite and optical quantum ground station.

Job Requirements

- Requirements:
- Experience in quantum mechanics.
- Experience with a programming language.
- Ability to perform rigorous and autonomous work.
- Strong analytical and problem-solving skills
- Excellent communication and teamwork abilities.
- Working proficiency in English.
- Currently enrolled in a relevant undergraduate program (at 3rd year level or higher) or a relevant graduate program, in physics, engineering physics, computer science, or other related program.
- Experience/knowledge of quantum key distribution protocols.
- Experience/knowledge of optical systems and communication technologies.
- Experience in MATLAB, Python, C, C#, or similar programming language.

Citizenship Requirement	N/A
--------------------------------	-----

APPLICATION INFORMATION

Application Procedure Through Employer Website

Special Application Instructions

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

Application Link: <https://www.asc-csa.gc.ca/eng/jobs/search-internships.asp>

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.