

Job Posting:173240 - Position: W26 Co-op Student Software Developer: Crop Image Management System 173240

Co-op Work Term Posted: 2026 - Winter
App Deadline 09/22/2025 09:00 AM
Application Method: Through UBC Science Co-op
Posting Goes Live: 09/15/2025 09:05 AM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization NRC - National Research Council of Canada
Country Canada

JOB POSTING INFORMATION

Placement Term 2026 - Winter
** Job Title ** W26 Co-op Student Software Developer: Crop Image Management System 173240
Position Type Co-op Position
Job Location Saskatoon, SK
Country Canada
Duration 4 months
Salary Currency CAD
Salary 833.0 per week for 37.5 Major List

Job Description

Student Job Title: Co-op Student Software Developer: Crop Image Management System

Location: Saskatoon, SK

Length of Term:

This is for the Winter 2026 Co-op work term: January 2026 to April 2026

Student work terms last for approximately sixteen weeks (four months) based on a schedule of 37.5 hours per week.

The NRC/ Aquatic and Crop Resource Development Research Centre

The National Research Council (NRC) is the Government of Canada's largest research organization supporting industrial innovation, the advancement of knowledge and technology development. It represents a powerful partnering option for anyone looking to push the boundaries of science and industry.

The NRC's Aquatic and Crop Resource Development Research Centre (ACRD) performs advanced scientific research and provides research services and technology development for the sustainable transformation of Canadian bio-based resources into higher-value products. Our crop-based research focuses on ensuring a diverse and sustainable supply of resources for the Canadian agriculture and food ecosystem.

Towards crop resource development, we are developing advanced tools and technologies to:

- Increase the productivity, resilience and sustainability of traditional and economically important crops for Canada.
- Optimize the production of plant-based protein ingredients.
- Advance data-driven and AI-ML solutions for Canada's agriculture and food strategies.

Your Challenge

As a student joining NRC-ACRD, you will undertake career-related projects in an engaging and intellectually-stimulating environment working alongside leading scientists who are passionate about the betterment of our agriculture and food systems. Our Integrated Omics and Climate Resilience (IOCR) team is dedicated to understanding the molecular mechanisms of stress to facilitate the development of crops with enhanced productivity and resilience. Using a number of high-throughput imaging

platforms, the IOCR team generates a large number of crop images which are predominantly stored in separate locations across different servers and users.

The successful student will make important contributions to the management, stewardship, and democratization of crop research data through the creation of a new online tool that will help ACRD researchers store, organize, and locate their project images more easily. This web-based service, providing secure, privilege-based, authorized access, will allow users to upload images, add metadata and tags, and search for them using keywords, facilitating reuse of research results in alignment with FAIR (Findable, Accessible, Interoperable, Reusable) principles.

Condition of Employment:

Security clearance at the reliability level

Salary Range

NRC offers competitive salaries to co-op students based on the number of work terms which have been completed. The weekly rate of pay ranges from \$833 to \$1,107 for 37.5 hour work week.

Current co-op work term rates are as follows:

Current work term	Weekly rate of pay (37.5 hrs)
First	\$833
Second	\$900
Third	\$948
Fourth	\$993
Fifth	\$1,052
Sixth	\$1,107

The NRC also reimburses students the cost of their travel expenses to and from their employment centre from their education institution in accordance with travel guidelines.

Notes

The NRC is committed to the principles of employment equity and to achieving a workforce that is representative of the Canadian population. We encourage candidates to self-identify if they are an aboriginal person, a member of a visible minority group, a person with a disability or a woman.

We are committed to inclusive, barrier-free recruitment processes and work environments. If you require an accommodation in order to participate in the hiring process, please inform us in advance to make your needs known. Information received relating to accommodation measures will be addressed confidentially.

Priority may be given to the following designated employment equity groups: Women, Indigenous peoples* (First Nations, Inuit and Métis), persons with disabilities and racialized persons*.

* The Employment Equity Act, which is under review, uses the terminology Aboriginal peoples and visible minorities.

We thank all students for showing interest in working at NRC ACRD; however, only selected candidates will be contacted.

Job ID# ACRD_Winter2026_05

Job Requirements

Required Skills

Expertise: Web development (full-stack), software development, databases (SQL/NoSQL), container and cloud storage solutions, user experience design, version control (Git), data indexing, handling image datasets and systems is preferred.

Experience: Coursework covering the development of web-based data management tools (building and maintaining web applications), experience deploying applications with Docker and authentication/authorization protocols. Relevant experience through prior internships or work-terms would be an asset.

Targeted Degrees and Disciplines

Undergraduate or graduate level co-op student studying computer engineering, computer science, software system engineering, and/or related fields.

Who is Eligible

You are eligible for the NRC Co-op Program if you attend a Canadian university/college, are enrolled in a recognized Co-op program, possess a minimum of a B average and are a Canadian citizen or a permanent resident of Canada.

Alternatively, foreign national students who meet the eligibility requirements, are studying in a recognised and eligible Canadian

educational institution and possess a valid Co-op Work Permit may also apply.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through UBC Science Co-op

Cover Letter Required? Yes

Address Cover Letter to Kristy Tanguay

Special Application Instructions

Application Requirements

Please include the following documents with your application:

- Cover letter
- Resume
- Most recent university/college transcript (unofficial is sufficient)