Job Posting:175557 - Position: W26 Student: Container Orchestration and Workflow Developer 175557

Co-op Work Term Posted:	2026 - Winter
App Deadline	12/01/2025 11:59 PM
Application Method:	Through Employer Website
Posting Goes Live:	11/19/2025 04:29 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	NRC - National Research Council of Canada
Address Line 1	5071 West Saanich Rd
City	Victoria
Postal Code / Zip Code	V9E 2E7
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Winter
<b> Job Title <b>	W26 Student: Container Orchestration and Workflow Developer 175557
Position Type	Co-op Position
Job Location	Victoria, BC
Country	Canada
Duration	4 months
Salary Currency	CAD
Salary	942.0 per week for 37.5 Major List
Salary Range $	From $942 to $1436 per week (37.5 hrs)
Job Description	

Job Title: Career Opportunities: Student: Container Orchestration and Workflow Developer (24632)

Job ID: 24632

Closing Date: <mark>Monday, December 1, 2025 - 23:59 Eastern Time</mark>

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.

Candidates are asked to self-declare when applying to this hiring process.

City: Victoria

Organizational Unit: Herzberg Astronomy and Astrophysics

Discover the possible

Anything is possible at the NRC, named in 2025 one of Canada's Top Employers for Young People, Top Employer in the National Capital Region and Forbes Canada's Best Employers!

As Canada's leading research and technology organization, our world-renowned research pushes the boundaries of science and engineering to make the impossible, possible. Every day we explore new ideas through innovative research and help companies discover possibilities that impact Canada's future and the world.

At the NRC, you'll also discover new possibilities. Our supportive workplace fosters a culture of creativity, welcoming fresh

perspectives and innovation at all levels. We value teamwork. You'll collaborate across multiple fields and with the brightest minds to find creative solutions. Most importantly, you'll discover what's possible within you as you grow, make valuable contributions and progress in your professional journey. From ground-breaking discoveries to a life-changing career, discover your possible at the NRC.

Project Description

The Container Orchestration and Workflow Junior Developer will help advance the CANFAR Science Platform cloud-native scientific analysis environment by integrating modern CI/CD practices into our existing suite of science-workflow containers. They will design, implement, and test automated build and validation pipelines to ensure reliability, reproducibility, and seamless deployment across our Kubernetes-based platform. Working closely with platform engineers and astronomers, the student will refine container configurations, streamline orchestration patterns, and improve overall developer efficiency. As a stretch objective, they will develop clear, user-friendly tutorials that demonstrate how to run scientific workflows using these containers. This role offers hands-on experience with cloud technologies, IVOA-based services, and real-world research workflows at the heart of the CANFAR Science Platform.

Length of term

This student work terms last for approximately five months, from January - May, 2026.

Your Responsibilities

As a student working for the Dominion Astrophysical Observatory in Victoria, British Columbia, your duties will include:
• Understanding container build processes
•Implement CI/CD for scientific analysis software containers
•Implement evaluation tests
•Develop science workflow tutorials.

Condition of employment

Reliability Status

For a Reliability Status, verification of background information over a period of 5 years is required.

Compensation

• From $942 to $1436 per week (37.5 hrs)
•Salaries are determined based on the number of academic semesters a student has completed.

Notes

• In 2025, the NRC was chosen as one of Canada's Top Employers for Young People, a National Capital Region Top Employer and Forbes Canada's Best Employer.
•The incumbent must adhere to safe workplace practices at all times.
•The intention of this program is focusing on graduate students seeking an Integrated Learning Component of their studies, rather than those preparing a thesis. Please note that any intellectual property (IP) regenerated will be owned by the NRC
•We thank all those who apply; however, only those selected for further consideration will be contacted.

Job Requirements

Education

Preferred Education level:
• Pursuing a graduate degree in either Computer Science, Engineering, or Physics.

Requirements

• Experience with container technologies (Docker) and an interest in Kubernetes-based deployment workflows. Familiarity with CI/CD tools and practices (e.g., GitHub Actions, GitLab CI, or similar) including automated testing and pipeline design.
•Strong Python or Bash scripting abilities for building, testing, and automating containerized science workflows.
•Ability to write clear technical documentation or tutorials, with bonus points for familiarity with Jupyter notebooks or scientific computing environments.

Who can apply?

You are eligible for the NRC Graduate Student Employment Program if:

• You have completed a bachelor degree, possess a minimum "B" academic average or equivalent
• Preference may be given to candidates with a "B+" academic average. Equivalencies can be found on the back of your transcript.
•You are studying at a recognized educational institution and are returning to full-time studies in the next semester
• this includes persons with disabilities considered to have full-time status by their academic institution, and participants in adult secondary-level education and retraining programs under the authority of an accredited academic institution
•You are a Canadian citizen or permanent resident of Canada.
• Foreign national students who meet the eligibility requirements, are studying in a recognized and eligible Canadian educational

institution and possess a valid Off-Campus Work Permit may also apply.

•For more detailed requirements and information on this possibility, please refer to the information found at Citizenship and Immigration Canada (Work Off Campus).

Citizenship Requirement   N/A

APPLICATION INFORMATION

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

Application Link:

https://career17.sapsf.com/sfcareer/jobreqcareerpvt?jobId=24632&company=nationalreP&st=1030C77EA82A728863BB83B799D1

C134940B03B9

Application requirements

To be considered for the program, please include the following in your application. **Failure to do so will result in your application being excluded.**

• Cover Letter

•Resume

•Most recent university transcript

• An electronic copy is sufficient

•To attach your transcript click the "add a document" in the Second language evaluation results field

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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.