Job Posting: 175906 - Position: S26 Intern, Operational Technology (Onboard & Network Technology) 175906

Co-op Work Term Posted:	2026 - Summer
App Deadline	01/31/2026 11:59 PM
Application Method:	Through Employer Website
Posting Goes Live:	12/08/2025 02:37 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Canadian National Railway (CNR)
Address Line 1	10229, 127 Avenue
City	Edmonton
Postal Code / Zip Code	T5E 0B9
Province / State	AB
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
\<b\> Job Title \<b\>	S26 Intern, Operational Technology (Onboard & Network Technology) 175906
Position Type	Co-op Position
Job Location	Multiple Locations
Country	Canada
Duration	4 months
Salary Currency	CAD
Salary	Salary Not Available, 40 Major List
Job Description	

Job Title: Intern, Operational Technology (Onboard & Network Technology)
Job ID: req16319
Location: Montreal, Quebec; Toronto, Ontario
Application Deadline: January 31st, 2026

At CN, we are committed to our pursuit of excellence. We take pride in delivering work of the highest standard, continually innovating to shape the railroad of the future. As responsible railroaders, we make the right decisions every time, putting safety first, acting with unwavering integrity, and holding ourselves accountable for our actions. We believe in succeeding together-by fostering inclusivity and collaboration, we sustainably deliver exceptional results for our customers.

We welcome students aboard to join our team and play a valuable role in the engine that keeps the North American economy on track. Expect an exciting environment where you'll be encouraged to learn, grow, and be recognized for your unique ideas and contributions. Work on pivotal projects with experienced collaborators who will encourage you to share your perspectives, and thrive in our close-knit, safety-focused culture. The careers we offer are meaningful because the work we do matters. Join us and get your career moving!

Intern, Operational Technology (OT) - Onboard & Network Technology

This is a full-time summer internship lasting from May 11, 2026, until August 28, 2026.

Job Summary

The Intern, Operational Technology (OT) - Onboard & Network Technology is responsible for working with CN's OT Systems

including Automated Train Inspection (ATI) program, Locomotive Onboard Systems (LOBS), Wayside systems and the Data Management of the information generated by these systems. The Intern Operational Technology Developer will be tasked with the development of automation to enable continuous improvement of OT deliverables, development and delivery of OT solutions, development and evaluation of the Machine Learning (ML) and Computer Vision pipelines and development of automated data solutions between Operational Technology and the cloud. The Intern Operational Technology Developer will be required to work with Solution Architects, RAMS Engineers, System Designers, Data Scientists, MLOps, DevOps teams across both the lifecycle of system development and of data management.

Main Responsibilities

• Define and develop applications and services

•Define, develop Unit Test code aligned with specifications and standards

•Participate in test planning and execution

•Participate in designing and implementing data warehousing solutions

•Assist in building and maintaining data pipelines for real-time and batch processing

•Support Data Scientist and ML Developer on the design and development of ML Solutions

•Apply and ensure compliance with appropriate CN Information and Technology (I&T) standards, including Security, Architecture, Project Delivery Methodology, Sarbanes-Oxley (SOX), Telecom, and Software Engineering

•Conduct code reviews and ensure coding standards

Job Requirements

Requirements

• Proficient in programming languages such as Python, C++, Java, or SQL and familiarity with tools like Spark.

•Familiarity with database management systems (e.g., MySQL, PostgreSQL) and Data Lake concepts.

•Knowledge of DL frameworks such as Pytorch, Tensorflow, and Keras

•Knowledge with Linux Operating systems configuration and scripting

•Knowledge of Agile Development Operations and concepts related to continuous integration and pipeline management

•Knowledge of Computer Vision for Objects Detection, Segmentation, and Classification

•Applies critical thinking

•Communicates with impact

•Solves problems to create value

•Experience in Active Learning, Semi-Supervised Learning, and Few-Shot Learning algorithms*

Education

• Working toward a Bachelor's Degree, Master's Degree or Ph.D. Degree in Computer Science, Engineering, Artificial Intelligence (A.I.), ML or a related field of study .

Any experience/education/skills/knowledge for these above would be considered as an asset

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://cn360.csod.com/ux/ats/careersite/6/home/requisition/16300?c=cn360&sq=req16300&lang=en-US

Application Deadline: January 31st, 2026

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.