

Job Posting:170078 - Position: F25 Software Analyst Intern (Python, C, Gherkin - 12 or 16months) 170078B

Co-op Work Term Posted:	2025 - Fall
App Deadline	06/10/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	05/26/2025 04:14 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Hitachi Ltd.
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
 Job Title 	F25 Software Analyst Intern (Python, C, Gherkin - 12 or 16months) 170078B
Position Type	Co-op Position
Job Location	Toronto, ON
Country	Canada
Duration	12 or 16 months
Work Mode	Hybrid
Salary Currency	CAD
Salary	Salary Not Available, 40 Major List
Job Description	

About Us

A career at Hitachi Rail will help create a legacy. With operations in every corner of the world, our work goes to the cutting-edge of digital transformation and technology. From the multi-cultural strength of our global organisation to the sustainable and innovative ways we work to bring people together, there's something for everyone to get stuck into. And that's where you come in.

Toronto, Ontario, Canada (Hybrid)

Internship Duration: September 2025 - August 2026 or December 2026 (12 or 16months)

We are looking for a Software Analyst - Intern to join us for an 12- or 16-month internship at our North York office.

As a member of the Vital Software Engineering team supporting Hitachi Rail Canada, the intern will work under the guidance of a senior software engineer to analyze, develop software, automate processes, and perform testing within the infrastructure available in our organization.

Joining Hitachi Rail Canada as an intern is an excellent way to launch your career. Our internships provide real-world work experiences aligned with your field of study. Through the Early Careers Program, you'll gain more than just a job-you'll receive training, networking opportunities, career development, and access to social events.

Key Responsibilities:

- Understand and adhere to the company's processes and procedures for developing vital software for safety-critical railway systems.
- Assist with software development and algorithm implementation for safety-critical systems.
- Develop software tools and scripts to enhance the current CI/CD (Continuous Integration/Continuous Deployment) process by migrating existing solutions to the generic GTS CI/CD pipeline.
- Create tests based on the Smart Testing Platform (using **Python**, **C**, **Wiki**, **Gherkin**) within the CI/CD framework for safety-critical software based on software requirements.
- Document software solutions using Wiki.
- Develop metrics and dashboards to report progress to management.

Required Skills and Experience:

- The successful candidate should be working towards a bachelor's or master's degree in Computer/Systems Engineering, Computer science or a related field from an accredited university or college.
- Strong interpersonal skills and fluency in English (written and verbal).
- In-depth knowledge and experience in software development.
- Proficient in Python, C++/C , shell scripting, JSON, and Groovy.
- Experience with DevOps software environments, including Git, Bitbucket, Jira, Jenkins, Artifactory.
- Strong organizational abilities.
- Capable of quickly integrating with the team and working independently.
- The ability to work **40 hours per week** in a hybrid environment is essential. **The first month of the internship will be fully on-site, followed by a hybrid model requiring at least 2 or 3 days per week in the office starting in the second month.**

Preferred Qualifications:

- Co-op student available for an 12- or 16-month term, with at least one additional quarter or semester of coursework remaining after the completion of the internship.
- Relevant work experience is preferred; academic projects will also be considered.

Thank you for your interest in Hitachi Rail. If your application is of interest, we will be in contact. Please do not hesitate to discover more about us and our latest jobs at <https://www.hitachirail.com/careers> .

At Hitachi Rail, there is a place for everyone. We welcome and value differences in background, age, gender, sexuality, family status, disability, race, nationality, ethnicity, religion, and world view. It is our commitment to create an inclusive environment - we are proud to be an equal opportunity employer.

We would be delighted if you would be one of our followers at <https://www.linkedin.com/company/hitachirail> .

Job Requirements

Key Requirements

- The successful candidate should be working towards a bachelor's or master's degree from an accredited university or college in Systems, Electrical/Computer Engineering, or Computer Science, Mechatronics, or a related field.
- Completion of the second or third year of your undergraduate degree, or currently pursuing a master's degree
- Good technical writing skills, excellent communication, and analytical skills; excellent command of the English language, both written and oral
- Familiarity with project work environment
- MS Office & Basic software and/or scripting knowledge
- The ability to work 40 hours a week in a hybrid environment for the duration of the internship is essential. **At least 2 days a week in the office.**

Preferred Qualifications:

- Co-op student available for an 8 or 12-month term, with at least one additional quarter or semester of coursework remaining after the completion of the internship. (Toronto)
- Previous coop/internship work experience in system design or rail industry is an asset.
- Relevant school projects may be considered.
- Rail signaling, CBTC (Communication Based Train Control), and knowledge of specification-driven systems design (as it applies

to computer systems with both hardware & software operation)

• re & software operation)

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Yes

Special Application Instructions

Application Link: <https://careers.hitachi.com/jobs/16142836-software-analyst-intern-python-c-gherkin-12-or-16months>

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.