Job Posting:166376 - Position: S25 Systems Design Intern 166376 E2

Co-op Work Term Posted:	2025 - Summer
App Deadline	03/12/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	02/26/2025 11:20 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Hitachi Ltd.
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Summer
<b> Job Title <b>	S25 Systems Design Intern 166376 E2
Position Type	Co-op Position
Job Location	Toronto, ON
Country	Canada
Duration	8 months
Work Mode	Hybrid
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List

Job Description

Job Title: Systems Design Intern (8months)

Job ID: R1008120

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: May 2025 - December 2025 (8 months)

Job Description

We are currently hiring a Systems Design Intern for a summer term position, from May to December 2025 (8 months), at our Hitachi Rail office in North York.

Hitachi Rail provides signaling systems for metros and light rail systems. Our solutions provide efficient, safe, and green transportation solutions for people around the world.

As a Systems Design Intern, you will support the system engineering team for process and data collection and participate in design.

This safety critical industry provides challenging and rewarding work. The Systems Department is responsible to design the signaling solution based on the customer needs and the features provided by our product. The department is responsible for communicating this design to all stakeholders and ensuring that the design is understood and developed accordingly. The work environment is fast-paced and challenging as it involves working with customers, operators, and other suppliers to understand the full signaling solution and how the solution interacts with other systems in the transportation system. In addition, the design must meet all the safety, performance, functional and operational requirements.

The team is also responsible for supporting the development and testing activities.

The incumbent is accountable for performing the design work correctly, within cost and schedule limits, as defined in approved

work packages.

The work is typically defined by the Work Package Manager, then reviewed and approved by the Systems Architect and/or Manager. The System Design Intern typically works with a team of engineers to define what will be designed, how it will perform and how it will be determined that it is working correctly.

Key Accountabilities

TECHNICAL:

The specific work assignment will be based on the project needs. General duties include but not limited to the following:

- Develop, implement & maintain tools and scripts (Microsoft VB, DOORS dxl, etc.), to assist Systems engineers in day-to-day activities
- Perform technical/engineering analysis as required for Systems Design
- Assist other members of assigned project team in miscellaneous requirement specification and management activities.
- Creating or modifying existing train control system & subsystem requirement specifications, interface requirements & systems design descriptions by analyzing, decomposing, modelling & refining customer requirements
- Preparing documentation for configuration management and customer delivery purposes following established processes.
- Importing contract requirements and other documents into IBM Rational DOORS/polariton
- Trace customer contract requirements to system level and/or lower-level requirements.
- Accurately reports work progress and estimates to complete the assigned work.

SAFETY:

- Promotes a safety culture where product safety is paramount.

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 System, Electrical/Computer Engineering, or Computer Science or a related field.
- Completion of the second or third year of your undergraduate degree, or currently pursuing a master's degree
- Proficient in MS Office (Excel, PowerPoint, Word) and basic software and/or scripting knowledge.
- Strong technical writing skills, excellent communication and analytical abilities, and a strong command of the English language, both written and spoken.
- Familiarity with project work environment
- 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-month term, with at least one additional quarter or semester of coursework remaining after the completion of the internship.
- Previous coop 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)

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://gtsgbu.wd3.myworkdayjobs.com/en-US/Careers/job/Toronto/Systems-Design-Intern--8months-_R1008120
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.