

Job Posting:171253 - Position: F25 Perception Developer Coop (SLAM) 171253B

Co-op Work Term Posted:	2025 - Fall
App Deadline	07/15/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	07/08/2025 01:50 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Rockwell Automation
Province / State	ON
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
 Job Title 	F25 Perception Developer Coop (SLAM) 171253B
Position Type	Co-op Position
Job Location	Kitchener, ON
Country	Canada
Duration	4 months
Work Mode	Hybrid
Salary Currency	CAD
Salary	0.0 per hour for 0 Major List
Salary Range \$	\$18-32/hourly
Job Description	

Rockwell Automation is a global technology leader focused on helping the world's manufacturers be more productive, sustainable, and agile. With more than 28,000 employees who make the world better every day, we know we have something special. Behind our customers - amazing companies that help feed the world, provide life-saving medicine on a global scale, and focus on clean water and green mobility - our people are energized problem solvers that take pride in how the work we do changes the world for the better.

We welcome all makers, forward thinkers, and problem solvers who are looking for a place to do their best work. And if that's you we would love to have you join us!

Job Description

As a Perception Developer Coop as part of Perception team at OTTO by Rockwell Automation, you will work on the development, testing and maintenance of the core robotics software that drives vehicles at sites all around the world. You will develop systems and working with cutting edge algorithms while ensuring stability of performance and quality. The Perception Team's primary responsibility is the development of the core robotics software responsible for environmental sensing and understanding on all of our vehicles. You will develop perception algorithms to handle the toughest challenges in localization and mapping. You will report to Manager, Perception and will be working Hybrid in Kitchener, ON.

Primary responsibilities:

- Develop systems related to Simultaneous Localization And Mapping (SLAM)
- Contribute to concept development of SLAM and loop closure algorithms

- Support the deployment and testing of new tools, either online or offline
- Collecting and managing datasets related to specific robot performance goals
- Developing visualisation tools and metrics
- Stay up to the date with the latest developments from academia and industry

For this role, the Base Salary Compensation is from \$18-32/hourly. Actual pay will be based on factors such as skills, education, and experience. The start date and end date of the coop term is September 3rd 2025 to December 19th 2025.

At Rockwell Automation we are dedicated to building a diverse, inclusive and authentic workplace, so if you're excited about this role but your experience doesn't align perfectly with every qualification in the job description, we encourage you to apply anyway. You may be just the right person for this or other roles.

This position is part of a job family. Experience will be the determining factor for position level and compensation.

#LI-Hybrid
#LI-SS1

We are an Equal Opportunity Employer including disability and veterans.

If you are an individual with a disability and you need assistance or a reasonable accommodation during the application process, please contact our services team at +1 (519) 618-4899.

Rockwell Automation's hybrid policy aligns that employees are expected to work at a Rockwell location at least Mondays, Tuesdays, and Thursdays unless they have a business obligation out of the office.

Job Requirements

The Essentials - You Will Have:

- Pursuing a Bachelor's degree in relevant field.
- Legal authorization to work in Canada is required.** We will not sponsor individuals for employment visas, now or in the future, for this job opening.

The Preferred - You Might Also Have:

- Practical and theoretical knowledge in state estimation, SLAM, Pose Graph Optimization, Bundle Adjustment, loop closure, robotic perception.
- Experience working with sensors and sensor data such as 3D cameras, Lidar and IMUs.
- Strong software development skills in modern C++ and Python.
- Experience with automated software testing and continuous integration.
- Proficiency with Linux.
- Understanding of software development workflows, life cycles and development methodologies and tools.
- Hands-on experience with real world autonomous systems.
- Experience with testing through simulation.
- Experience with ROS, Gazebo, PCL and OpenCV.
- Experience with visualization tools in ROS and GUI design.
- Familiarity with linear algebra and nonlinear optimization techniques and libraries such as Ceres, GTSAM, g2o and Eigen.

Citizenship Requirement N/A

Position Start Date May 05, 2025 12:00 AM

Position End Date August 22, 2025 12:00 AM

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Optional

Special Application Instructions

Application Link: https://rockwellautomation.wd1.myworkdayjobs.com/en-CA/External_Rockwell_Automation/job/Kitchener-Ontario-Canada/Perception-Developer-Coop--SLAM-_R25-4384

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.