

Job Posting:169519 - Position: F25 Embedded Developer Intern, Kinematics (Fall/September 2025, 12 Months) 169519

Co-op Work Term Posted:	2025 - Fall
App Deadline	05/23/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	05/09/2025 10:51 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Geotab
Address Line 1	2440 Winston Park Dr
City	Oakville
Postal Code / Zip Code	L6H 7V2
Province / State	ON
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
 Job Title 	F25 Embedded Developer Intern, Kinematics (Fall/September 2025, 12 Months) 169519
Position Type	Co-op Position
Job Location	Oakville, ON
Country	Canada
Duration	12 months
Work Mode	Hybrid
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List
Job Description	

Who you are:

We are looking for amazing talent who can contribute to our efforts and deliver results! Geotab is seeking an Embedded Developer Intern who will immediately contribute to the organization and the Embedded Engineering team efforts. If you love technology and embedded development, are detail-oriented, and are keen to join an industry leader, we would love to hear from you!

What you'll do:

As a Kinematics Intern, you will work closely with the kinematics team to analyze and optimize the behavior of IMU and GNSS services. Your primary focus will be on developing features and test automation to assess sensor performance, improve kinematic modeling, and validate data integrity.

The opportunity

- 12 month work-term beginning September 2025.

- Full-time, paid internship: Monday - Friday, 37.5hrs/week.
- Your first week at Geotab begins with 'GEO Launch' - a one-week Employee Orientation. Click [here](#) to learn more!
- Learn more about the Geotab Campus Program [here](#).

How you'll make an impact

- Develop an in-depth understanding of the GO device functionality and how all the devices work with various other modules.
- Write SQL queries and python scripts to interact with Google BigQuery to determine device health and effectiveness of various functionality.
- Be able to write unit and integration tests. Perform system-level testing using test automation framework, extend the test suite as required.
- Build, maintain, and enhance tools that streamline and automate all forms of testing relevant to the feature or product using C, C++, python, pytest, SQL, REST APIs and other relevant technology/tools.
- Manage test coverage, test environment creation, and maintenance.
- Develop tools and dashboards for the analysis of device data and behavior.
- Stay current with new embedded development and testing technologies.

Job Requirements

What you'll bring to the role

- Currently pursuing a Bachelor's degree (3rd or 4th year) in Electrical Engineering, Computer Engineering, Mechatronics, or a related field.
 - Strong knowledge of various programming languages in embedded software development context.
 - Strong knowledge of either C, C++, Rust and Python.
 - Familiar with SQL and databases/queries.
 - Familiar with MEMS IMU (accelerometer and gyroscope) and GNSS chips
 - Knowledge of kinematics, sensor fusion, and signal processing algorithms is an asset.
 - Familiar with OS concepts, data structures, algorithms, design patterns commonly used in Embedded system development.
 - Linux development and knowledge is an asset.
 - Strong team player with the ability to engage with all levels of the organization.
 - Strong interpersonal relationship building skills.
 - Technical competence using software programs, including but not limited to, Google Suite for business (Sheets, Docs, Slides).
- If you got this far, we hope you're feeling excited about this role! Even if you don't feel you meet every single requirement, we still encourage you to apply.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Special Application Instructions

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Application Link: Job Application for Embedded Developer Intern, Kinematics (Fall/September 2025, 12 Months) at Internship List
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.