

Job Posting:169520 - Position: F25 Embedded Developer Intern, Platform Reliability & Security (Fall/September 2025, 12 Months) 169520

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 10:55 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, Platform Reliability & Security (Fall/September 2025, 12 Months) 169520
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 always looking for amazing talent who can contribute to our growth and deliver results! Geotab is seeking an Embedded Developer Intern who will assist in further developing our telematics device as well as assisting in the development of the next generation of telematics devices. If you love technology, and are keen to join an industry leader - we would love to hear from you!

What you'll do:

The Embedded Developer Intern is primarily responsible for designing, writing, and testing C, C++, and Rust code for Geotab's GO telematics devices. This position also maintains and improves testing tools and processes, ensuring that new releases perform as expected.

Part of this role involves collaborating with other Embedded Systems developers, engineers, and internal technical teams in determining the architecture and constraints of the project.

To be successful in this role you will have a keen eye for the details to consistently adhere to coding standards and perform peer QA and code reviews. Being inquisitive and constantly looking for a new technical challenge or to use a new tool will also

contribute to your success. In addition, the successful candidate will have strong communication skills, in their technical documentation, collaboration with teammates, and with providing technical support to other Geotab teams.

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 firmware and how all the modules work.
- Perform firmware development in C for security features or modules adjacent to security features such as connectivity, memory and firmware updates.
- Write unit tests and perform integration and system-level testing in both real and simulated vehicles, to demonstrate that new features meet design requirements.
- Write SQL queries and Python scripts on data from Google BigQuery to determine device health and effectiveness of new functionality.
- Conduct comprehensive testing and code reviews to ensure that industry coding standards are followed.
- Debug firmware issues and identify areas for code improvements.
- Keep up-to-date documentation for all areas of responsibility.

Job Requirements

What you'll bring to the role

- Completing a Bachelor's degree in Electrical, Mechatronics, Computer Engineering or a related field.
- Familiarity with programming languages (C/C++) in an embedded software context.
- Familiarity with modern scripting languages (e.g. bash, Python, TCL, etc.) is highly valued.
- Familiarity with SQL is an asset.
- Exposure and/or experience with RTOS and Linux.
- Experience in hands-on development and troubleshooting on embedded targets.
- Familiarity with encryption or cryptographic algorithms.
- Understanding of underlying electronics to the point where it influences firmware development and debugging.
- Familiar with data structures, algorithms, and design patterns common to embedded (resource-constrained) systems development.
- Strong verbal and written communication skills, ability to communicate and document complex technical systems and decisions.
- Highly organized and able to manage multiple tasks and projects simultaneously.

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, Platform Reliability & Security (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.