

Job Posting:172496 - Position: W26 Embedded Developer Intern, IOX Core (Winter/January 2026, 8-12 Months) 172496

Co-op Work Term Posted:	2026 - Winter
App Deadline	09/10/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	09/03/2025 11:06 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	2026 - Winter
 Job Title 	W26 Embedded Developer Intern, IOX Core (Winter/January 2026, 8-12 Months) 172496
Position Type	Co-op Position
Job Location	Oakville, ON
Country	Canada
Duration	8 or 12 months
Work Mode	Hybrid
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List

Job Description

Who we are:

Geotab ® is a global leader in IoT and connected transportation and certified "Great Place to Work™." We are a company of diverse and talented individuals who work together to help businesses grow and succeed, and increase the safety and sustainability of our communities.

Geotab is advancing security, connecting commercial vehicles to the internet and providing web-based analytics to help customers better manage their fleets. Geotab's open platform and Geotab Marketplace ®, offering hundreds of third-party solution options, allows both small and large businesses to automate operations by integrating vehicle data with their other data assets. Processing billions of data points a day, Geotab leverages data analytics and machine learning to improve productivity, optimize fleets through the reduction of fuel consumption, enhance driver safety and achieve strong compliance to regulatory changes.

Our team is growing and we're looking for people who follow their passion, think differently and want to make an impact. Ours is a fast paced, ever changing environment. Geotabbers accept that challenge and are willing to take on new tasks and activities - ones that may not always be described in the initial job description. Join us for a fulfilling career with opportunities to innovate, great benefits, and our fun and inclusive work culture. Reach your full potential with Geotab. To see what it's like to be a Geotabber, check out our [blog](#) and follow us @InsideGeotab on [Instagram](#). Join our [talent network](#) to learn more about job opportunities and company news.

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 be responsible for understanding Geotab devices, implementing new logic for a test automation framework using various programming languages (Python, C, SQL, RUST), and working with Cloud APIs, hardware setups, embedded devices, Python tools, and data mining, while collaborating with development and test teams. If you love technology, and are keen to join an industry leader - we would love to hear from you!

What you'll do:

As an Embedded Developer Intern your key area of responsibility will be 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. You will need to work closely with other embedded systems developers, engineers, and internal technical teams - determining the architecture and constraints of the project.

The opportunity:

- 8-12 month work-term, beginning January 2026.
- Full-time, paid internship (Monday to 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.
- Entrepreneurial mindset and comfortable in a flat organization.

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, IOX Core (Winter/January 2026, 8-12 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.