

Job Posting:167846 - Position: S25 Embedded Developer Intern, IOX Dev (Summer/May 2025, 8-16 Months) 167846

Co-op Work Term Posted:	2025 - Summer
App Deadline	03/16/2025 11:59 PM
Application Method:	Through Employer Website
Posting Goes Live:	03/11/2025 04:20 PM
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 - Summer
 Job Title 	S25 Embedded Developer Intern, IOX Dev (Summer/May 2025, 8-16 Months) 167846
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, 37.5 Major List
Salary Range \$	TBD
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 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 an Embedded Developer Intern, your key area of responsibility will be understanding Geotab devices like GO and IOXes, working on implementing new logic for test automation framework primarily in Python, C, SQL and possibly RUST. You will work in many areas of focus including interacting with Cloud APIs, hardware setups, Raspberry Pi based C code framework, Bare metal firmware C code, Linux based embedded devices, Python based tools and data mining for various dashboarding. You will be required to work closely with your colleagues on the Embedded Development team, as well as Software development and test development teams - as needed.

To be successful in this role, you will have a keen interest in learning firmware test automation principles, details to consistently adhere to coding standards and be inquisitive. In addition, successful candidates will have strong communication skills, in their technical documentation, collaboration with teammates, and with providing technical support to other Geotab teams.

The opportunity:

- 8 - 16 month work-term beginning May 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 and IOX device functionality and how all the devices work with various other modules.
- Write SQLqueries 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.

How we work

At Geotab, we have adopted a flexible hybrid working model in that we have systems, functions, programs and policies in place to support both in-person and virtual work. However, you are welcomed and encouraged to come into our beautiful, safe, clean offices as often as you like. When working from home, you are required to have a reliable internet connection with at least 50mb DL/10mb UL. Virtual work is supported with cloud-based applications, collaboration tools and asynchronous working. The health and safety of employees are a top priority. We encourage work-life balance and keep the Geotab culture going strong with online social events, chat rooms and gatherings. Join us and help reshape the future of technology!

Job Requirements

What you'll bring to the role:

- Completing a Bachelor's degree in Electrical, Computer engineering or other related fields.
- 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 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.

Please note: Geotab does not accept agency resumes and is not responsible for any fees related to unsolicited resumes. Please do not forward resumes to Geotab employees.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Optional

Special Application Instructions

Apply for job here: <https://job-boards.greenhouse.io/internshiplist2000/jobs/4425017008>

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.