

Job Posting: 176717 - Position: S26 Embedded Developer Intern, Test Automation (Summer/May 2026, 12-16 Months) 176717

Co-op Work Term Posted:	2026 - Summer
App Deadline	01/14/2026 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	01/07/2026 03:40 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	2026 - Summer
 Job Title 	S26 Embedded Developer Intern, Test Automation (Summer/May 2026, 12-16 Months) 176717
Position Type	Co-op Position
Job Location	Oakville, ON
Country	Canada
Duration	12 or 16 months
Work Mode	Hybrid
Salary Currency	CAD
Salary	0.0 per hour for 0 Major List
Salary Range \$	\$24 - \$33 CAD
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 assisting with the development of Test Automation tools for rapid detection and response systems for our embedded/IoT devices. 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 with the Test Automation team, your key area of responsibility will be developing automated tests and implementing HIL (Hardware-in-the-Loop) systems to support our embedded products using Python. You will assist with project work and day-to-day activities depending on your experience including GPS, Modems, Accelerometers, Vehicle Data and helping to implement CI/CD pipelines. Additionally, you will utilize big data environments to analyze the effectiveness of firmware changes, troubleshoot issues, and maintain high standards through peer code reviews and technical documentation. You will need to work closely with the Lead Test Automation Engineer and colleagues on the Embedded Systems Team, as well as stakeholders in Systems Engineering, Software Development, and Solution Engineering.

The opportunity:

- 12- 16 month work-term beginning May 2026.
- 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](#).
- This posting is for an existing vacancy.

How you'll make an impact:

- Develop an in-depth understanding of the GO device firmware, how all modules work, and the Geotab HIL platform.
- Perform SW development in required areas of HIL Projects (modem, GPS, vehicle data, security, etc.) using Python as per development standards.
- Help build hardware platforms and develop advanced applications in different languages, including Python, to facilitate various HIL testing functionalities.
- Write unit tests and perform integration and system-level testing in both real and simulated vehicles to demonstrate that new features meet design requirements.
- Implement end-to-end Continuous Integration (CI) and Continuous Delivery (CD) pipelines using GitLab to enable builds, tests, and deployments that ensure scalability and performance.
- Contribute to developing CI/CD services and Test Automation/DevOps tools for rapid detection and response systems to help different teams simplify their testing.
- Support the automation of release processes to improve efficiency and participate in identifying and mitigating risks that may impact release timelines.
- Write SQL queries and Python scripts on data from Google BigQuery to build dashboards, determine device health, and evaluate the effectiveness of new functionality.
- Proactively monitor logs and create scripts to scrape logs and report issues.
- Monitor and report on the progress of firmware development and testing activities.
- Conduct comprehensive testing and perform peer code reviews to ensure that industry coding standards are followed.
- 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 Software, Electrical, Mechatronics, Computer Engineering, or a related field.
- Strong knowledge of Python programming and well versed in scripting languages for automation purposes.
- Familiarity with C/ C++, including basic knowledge of OOP languages, concepts, and design patterns.
- Experience or knowledge of Embedded Systems, firmware development concepts, and working with HW.
- Comfortable with HIL, SIL, Big Data, and databases (e.g., SQL).
- Familiar with data structures and algorithms common to embedded (resource-constrained) systems development.
- Strong team-player with the ability to engage with all levels of the organization.
- Excellent verbal and written communication skills for technical documentation and collaboration.
- Familiarity with version control systems (e.g., Git) is a plus.
- Linux development and/or knowledge is an asset.

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: <https://job-boards.greenhouse.io/internshiplist2000/jobs/5014291008>

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.