

Job Posting:166726 - Position: S25 Test Engineering Tech Co-op 166726

Co-op Work Term Posted:	2025 - Summer
App Deadline	02/26/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	02/05/2025 03:24 PM
Job Posting Status:	Expired

ORGANIZATION INFORMATION

Organization	Semios
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Summer
 Job Title 	S25 Test Engineering Tech Co-op 166726
Position Type	Co-op Position
Job Location	Burnaby, BC
Country	Canada
Duration	4 months
Work Mode	Hybrid
Salary Currency	CAD
Salary	18.0 per hour for 0 Major List
Salary Range \$	\$18.00 to \$22.00 per hour.
Job Description	

Job Title: Test Engineering Tech Co-op

Description

Who we are:

We are a bunch of people who really care about agriculture, food and the challenges facing farming. We want to help farmers with data driven decision making to help nature feed a growing population. Join our team of expert engineers, agronomists, entomologists, crop researchers, and data scientists who are continually conducting research to help drive innovation in agriculture.

Semios is a market leader in leveraging the internet-of-things (IoT) and big data to improve the sustainability and profitability of specialty crops. With 500 million data points being reported by our sensors every day, we leverage our big data analytics, such as in-depth pest and disease modeling, to empower tree fruit and tree nut growers with decision-making tools to minimize resources and risks. We are in a high growth phase with 2021 seeing us expand into Italy, Australia and Spain.

Our innovative work has received several industry awards:

- **AgTech Breakthrough Awards Program (2023)** - Selected as winner of the "Overall Smart Irrigation Company Of The Year" award.
- **Sustainability Changemaker by SDTC (2022)** - Named as one of the companies which recognize homegrown innovation in sustainable technologies in Canada.
- **AgTech Breakthrough Awards Program (2021)** - Selected as winner of the "Pest Management Solutions of the Year" award.
- **Google Accelerator (2020)** - Selected as 1 of 9 companies for the inaugural Google for Startups Accelerator Canada cohort, who are all using technology to solve complex challenges.
- **Global CleanTech Top 100 (2020)** - Identified as one of the companies best positioned to solve tomorrow's clean technology challenges.

One of our partners produced this short **video** which shows what we do and our positive environmental impact. We know our journey is only achievable by having a great team who shares ideas, tries new things and learns as we go.

Who you are:

Motivated by meaningful work, you are looking for more than just a job; you want to work for a dynamic, growing company that finds solutions to real-life problems, such as helping the world reduce the use of pesticides and helping nature feed a growing population. Your ideal work environment includes a collaborative team spirit with the opportunity to learn and grow as you take the initiative to try new things. This will be a challenging 8-month work term starting in May 2025.

What you will do:

- Support IoT manufacturing engineering with design, build, validation, and documentation of production assembly and test jig devices and other custom machines for production. This includes Assembly of devices for production, support building Bed of nails for testing PCBAs, and mechanical jigs for testing automatic design features; first-article approval of components, and printer label setup
- Small-scale hardware design and programming for automated testing and electronic systems processing.
- Execute small-scale final tests on production products. Initiate ideas to improve the process, document streamline methods, and work with the production and test team in transferring this knowledge to third-party contract manufacturers.
- Work with internal technical teams to help discover the root cause and resolve manufacturing and quality problems related to methods, processes, tooling, equipment, and product design.
- Hands-on work related to product assemblies or rework, testing, and movement of equipment or boxes in the office environment.
- Automate, improve and refine existing test procedures.
- Debug field failure.

Salary Range: \$18.00 to \$22.00 per hour.

Please note that the pay rate offered may vary based on factors including but not limited to knowledge, skills and experience, as well as business and organizational needs.

Benefits

- Sleep better knowing you're making the world a better place through more sustainable food production.
- Opportunity to contribute and make an impact by working on meaningful projects.
- Work with a team that values fun, laughter, and each other in collaborative and casual work environment
- Multiple office locations, convenient via transit and bike paths.
- Flexible work hours

Semios welcomes all applicants regardless of race, gender, orientation, sexual identity, economic class, ability, disability, age, religious beliefs or disbeliefs, or status. We believe that different perspectives and backgrounds are what make a company flourish and we welcome everyone.

Job Requirements

Requirements

We want you to succeed, so you will need:

- Pursuing a degree in mechanical, electrical, mechatronics, computer engineering or similar.
- Experience with object-oriented programming, ARM microcontroller code, data management, Raspberry Pi, Arduino, and Python is of particular interest.
- Experience working with databases and query languages such as SQL.
- Familiarity with database platforms like Periscope, Tableau, or other data analytics tools.
- Compile, assess, and analyze production test data.
- Hands-on experience with electromechanical systems with moving parts.
- Being open to learning about unfamiliar subjects and interested in the IoT and automation field. Experience with data analytics tools to interpret test data.
- Self-starter, capable of working independently and building strong cross-functional relationships.
- Ability to develop a thorough and detailed documented paper trail of fixtures, test plans, and product test data.

Nice to have:

- Knowledge of RF testing and troubleshooting

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Yes

Address Cover Letter to Hiring Manager

Special Application Instructions

Application Link:

<https://apply.workable.com/semios/j/6F229C537A/>

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.