Job Posting: 176820 - Position: S26 Research and Development Engineering Associate 176820

Co-op Work Term Posted:	2026 - Summer
App Deadline	01/22/2026 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	01/08/2026 04:51 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	FluidAI
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
<b> Job Title <b>	S26 Research and Development Engineering Associate 176820
Position Type	Co-op Position
Job Location	Kitchener, ON
Country	Canada
Duration	8 months
Salary Currency	CAD
Salary	22.0 per hour for 0 Major List
Salary Range $	$22 - $30 per hour

Job Description

Job Title: Research and Development Engineering Associate (Co-op 8+ Months Preferred)

Company Description:

FluidAI is creating a paradigm shift in post-operative care, utilizing the plethora of data within the body, to help in the detection of post-operative complications at their onset. Our clinically validated platform sensing technology augments existing wound drains and catheters, providing healthcare providers with a smart monitoring tool that can support earlier detection of deadly complications and enhance the delivery of care.

We are an equal opportunity employer and have a diverse team representation across language, ethnicity, gender, and nationality.

Why join FluidAI?

• Mission to save lives and improve patient care with technology that's already deployed on patients in real-world settings.

•We are a team of passionate builders and boundary-breakers that are on a singular mission to disrupt how patient care is done. We aim to succeed and perform together - as a team and as individuals.

•Gain exposure across the entire technical stack, from novel sensing technologies and proprietary hardware to mobile/web software and ML (Machine Learning) algorithms.

•Personal career-focused development and training with access to workshops, coursework, and experienced mentors/consultants.

•Regular offsite activities - past events include rafting, cottaging, axe-throwing, sports leagues, and the usual BBQ.

Job Summary:

The candidate would join the R&D Engineering team to support the research, development and manufacturing of our proprietary sensor modules and upstream sensor technologies. The candidate will primarily work with the team to design, execute and improve existing sensor-related processes and research projects. They would provide assistance to our clinical, manufacturing and data analysis teams as needed. They would also work to design, bring-up, and test hardware for commercial medical devices and research studies.

Note: This is an office-first role working out of our Kitchener HQ in the Medical Innovation Xchange

Job Responsibilities:

• Design, improve and test sensor-related processes in current and future product iterations.
•Plan and execute experimental procedures for various research projects.
•Analysis, thorough documentation, and presentation of R&D data to various internal and external stakeholders.
•Troubleshooting and root-cause analysis of sensor-related issues, often with limited data and context.
•Write, update, and execute verification and validation tests.
•Propose sensor technologies to future product requirements, assess feasibility, and plan for integration into product pipeline.
•Contribute to PCB design, development of firmware, testing of hardware, and interfacing with manufacturers.
•Collaborate with the quality team to Develop Firmware/Hardware test and verification plans and protocols and conduct prototype testing and verification testing.
•Assist our internal R&D and manufacturing teams wherever needed.

Transparency & Hiring Practices:

• **Compensation**: The pay for this position will be based on average co-op wages as outlined by your academic institution's co-op program or similar institutions if specific data is unavailable, ensuring fair and competitive compensation aligned with industry and academic standards. The typical range for this role is $22 - $30 per hour for work terms 2-6
•**Grant Eligibility**: This position is made possible through wage subsidy grants such as BioTalent SWPP. As such, participants must be a current full-time student registered in a Canadian Post-secondary program. International students are not eligible. Eligible participants must be a Canadian citizen, permanent resident or person who has been granted refugee status in Canada and be legally entitled to work.
•**Application Screening**: All applications are screened manually. We do not use AI or AI-Augmented Applicant Tracking Systems (ATS) to screen, assess, reject, or select candidates.
•**Position Status**: This summer term position will become available in May 2026.

Job Requirements

Qualifications:

These are some of the skills we are looking for in an ideal candidate. If you check some but not all of these boxes, please apply anyway!

• Research-related sensor experience including Design of Experiments, report generation, technical presentation, critical thinking, etc.
•Systematic methodology for scientific experimentation with clear alignment to project goals.
•Ability to switch between "hack-y prototyping" and "scientifically rigorous" mindsets depending on project stage and requirements.
•Comfortable working in a research lab setting.
•Attention to detail, with an appreciation for the subtleties of sensor behavior and experimental approaches.
•Proficiency at organizing, documenting, and presenting technical information.
•Ability to quickly adapt to changing priorities and environments.
•Experience with scripting and signal processing in Python.
•Experience with mechanical design of fixtures and jigs using industry-standard tools (e.g. Fusion 360, SolidWorks).
•Experience with electronic system operation, troubleshooting, and development (e.g. Arduino).
•Biosensor-specific research experience.
•Familiarity with ISO 13485 and similar standards for Quality Management Systems.
•Familiarity with embedded systems testing methodologies.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website
Cover Letter Required? Optional
Special Application Instructions

Application Link:

https://ats.rippling.com/fluidai-medical-careers/jobs/907b6f52-fe96-481d-98a6-9543f673f9c6

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.