Job Posting: 177863 - Position: S26 Simulation Platform Developer Co-op 177863

Co-op Work Term Posted:	2026 - Summer
App Deadline	02/05/2026 11:59 PM
Application Method:	Through Employer Website
Posting Goes Live:	01/30/2026 10:40 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Hammond Power Solutions Inc.
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Summer
<b> Job Title <b>	S26 Simulation Platform Developer Co-op 177863
Position Type	Co-op Position
Job Location	Guelph, ON
Country	Canada
Duration	4 months
Salary Currency	CAD
Salary	23.0 per hour for 0 Major List

Job Description

Job Title: Simulation Platform Developer Co-op
Job ID: SIMUL001959
Application Deadline: **February 5th, 2026**
Job Details
Description
Hammond Power Solutions Inc. is a global manufacturer headquartered in Guelph, Ontario, Canada. HPS has grown to become the leader in North America in the custom design and manufacture of dry type transformers. For the past century, HPS has grown to deliver electrical power solutions to global markets and provides solutions for complex applications like, mining, rectifier, drives, traction, wind, solar and many other electrical power applications. The world relies on HPS to continually conceive and produce state-of-the-art transformer technology. We currently have an opening for a **Simulation Platform Developer Co-op,** come grow with us!
We are seeking a Co-op Simulation Platform Developer to support the development of an internal software platform used to model, simulate, and analyze our engineering products. This role provides hands-on experience in building engineering software under the guidance of experienced engineers, with direct application to real-world product development and R&D activities. The successful candidate will join us for the **Spring/Summer 2026 co-op term starting in May 2026.**
Key Responsibilities Include:
• Design and develop a simulation and modeling software platform for company products.
•Integrate analytical models and test data into the platform for verification and validation.
•Develop user-friendly interfaces, scripts, or automation tools to improve usability and efficiency.
•Document software architecture, modeling assumptions, and usage guidelines.
•Collaborate with test and design engineers to continuously improve platform capability and accuracy.
•Programming Languages:
• Python or equivalent (preferred for platform development, scripting, automation)
•MATLAB / Simulink (modeling, algorithm development, validation) (asset, not required)

•C / C++ or similar (asset, not required)

Benefits:

• Casual dress
•Company events
•Employee assistance program
•On-site parking

The hourly rate for this position is $23.00

NOTE: Hammond Power Solutions encourages applications from all qualified candidates. HPS has a great record of accommodating persons with disabilities. Contact People & Culture if you need accommodation at any stage of the application process or want more information on our accommodation policies.

Job Requirements

Qualifications:

• Currently enrolled as a student pursuing a degree in Electrical Engineering, Computer Engineering, or Computer Science
•Strong interest in engineering software development
•Ability to translate power-system and power-electronics problems into computational models
•Understanding of engineering mathematics (linear systems, differential equations, numerical methods - academic level)
•Ability to translate engineering requirements into software logic
•Structured problem-solving and debugging skills
•Ability to write clear, maintainable, and well-documented code

The following would be considered assets:

• Academic-level understanding of power system harmonics and non-linear loads
•Ability to convert harmonic distortion issues (THD, interharmonics, resonance, filtering) into software models and simulation algorithms
•Implementation of frequency-domain and time-domain harmonic analysis
•Modeling of passive and active harmonic mitigation techniques
•Validation of harmonic simulation results against analytical calculations or test data

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://recruiting.ultipro.ca/HAM5000HAMM/JobBoard/d886e470-2a21-498f-9532-54d7b09cb302/OpportunityDetail?opportunityId=ba2bbdd2-c695-4d41-aafd-b29e6397a2b2&source=LinkedIn

Application Deadline: February 5th, 2026

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.