

Job Posting:169831 - Position: F25 Software Automation Engineering Intern 169831B

Co-op Work Term Posted:	2025 - Fall
App Deadline	06/03/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	05/20/2025 02:31 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Communications & Power Industries (CPI)
Address Line 1	45 River Drive
City	Georgetown
Postal Code / Zip Code	L7G 2J4
Province / State	Ontario
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
 Job Title 	F25 Software Automation Engineering Intern 169831B
Position Type	Co-op Position
Job Location	Georgetown, ON
Country	Canada
Duration	4 months
Work Mode	In-Person
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List
Job Description	

Description

Shaping the future through innovation and discovery!

With a history spanning more than seven decades, Communications & Power Industries' thousands of products have impacted people's lives in numerous unseen ways every day. Our highly engineered products serve as the backbone of modern-day commercial and military communications systems, assist in diagnosing medical conditions, empower scientific discoveries and space exploration, and much more.

We are actively seeking applicants for our Engineering Internship Program. Our interns will work alongside our multi-disciplined team on real projects.

Position Description:

As a CPI Software Automation intern, you will apply your classroom-learned skills to enable the design and manufacture of cutting-edge communications electronics that support commercial, broadcast, and our national security. The selected candidate will work with collaborative teams on various technical projects associated with our core mission. In addition to receiving competitive compensation, the Engineering Intern will enhance their skill set by working among a talented and technically-accomplished group of colleagues. Interns will also enjoy a flexible work environment where contributions are recognized and rewarded.

Candidates should demonstrate a basic understanding of the engineering design process, be able to solve new and unfamiliar problems, and work collaboratively as part of a team. Engineering Interns must be enrolled in an accredited degree program in Computer Engineering, Systems Engineering, Software Engineering, Electrical Engineering, Mechanical Engineering or other related scientific or technical discipline with a preference for a standing of a sophomore or higher.

Example Projects Within the Role Include:

- Automation (with scripting) of repetitive design and test tasks using software tools like Python or Matlab
- Creating data structures (e.g. in SQL) to store engineering test data
- Developing simple GUI or CLI interfaces to retrieve and interact with engineering test data (e.g. using Python, Flask, etc.)
- Communicate with other design team members about requirements, design rationale, analysis of designs, and any issues clearly and openly
- Participate in the improvement of organizational processes and documentation

Job Requirements

Position Requirements:

- Intermediate level skills in Python or Matlab
- Basic understanding of source control principles (e.g. Git, archiving, commits, PR process)
- Basic knowledge of relational database structures (e.g. SQL)
- Good written communications and documentation skills

Beyond the basic required skills, additional consideration will be given to advanced applicants who have experience in the following specialty areas:

- Intermediate/Advanced familiarity with Python data and numerical analysis tools (Numpy, Pandas, Matplotlib)
- Experience with Flask web applications
- Experience interfacing to equipment using a SCPI or VISA interface
- Embedded control hardware, microcontrollers, basic embedded code
- Experience with a community documentation paradigm (i.e. Wiki, etc.)
- Project management tools such as Microsoft Project

Security

- Must meet all CGP and ITAR requirements

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: Software Automation Engineering Intern | CPI Job Opportunities - North America

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.