

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

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

### **ORGANIZATION INFORMATION**

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

### **JOB POSTING INFORMATION**

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

### **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.