

## **Job Posting:171972 - Position: F25 AI/ML Intern - Electrical Engineer 171972B**

<b>Co-op Work Term Posted:</b>	2025 - Fall
<b>App Deadline</b>	08/25/2025 09:00 AM
<b>Application Method:</b>	Through Employer Website
<b>Posting Goes Live:</b>	08/18/2025 09:21 AM
<b>Job Posting Status:</b>	Approved

## **ORGANIZATION INFORMATION**

<b>Organization</b>	Trench Group
<b>City</b>	Pickering and Scarborough
<b>Province / State</b>	ON
<b>Country</b>	Canada

## **JOB POSTING INFORMATION**

<b>Placement Term</b>	2025 - Fall
<b>&lt;b&gt; Job Title &lt;/b&gt;</b>	F25 AI/ML Intern - Electrical Engineer 171972B
<b>Position Type</b>	Co-op Position
<b>Job Location</b>	Scarborough and Pickering, ON
<b>Country</b>	Canada
<b>Duration</b>	8 or 12 months
<b>Work Mode</b>	In-Person
<b>Salary Currency</b>	CAD
<b>Salary</b>	0.0 per hour for 0 Major List
<b>Job Description</b>	

### **About us**

In Trench Canada, we deliver state-of-the-art, safe, and reliable instrument transformers, coils, and bushings for seamless energy transmission. With a legacy of customized engineering and innovation, we enable society to harness the power of electricity with reliability and performance. But we are more than just a company. We are a force for change, committed to advancing the energy sector through cutting-edge technology and sustainable practices. We genuinely care about continuous improvement, and our dynamic workplace values attention to detail and adaptability, fostering a culture of equality, diversity, and inclusion where everyone is respected and truly valued.

### **About the role**

Are you passionate about AI/ML and have hands-on experience in practical applications? Join us in revolutionizing the energy industry! We're forming a special task force to identify efficiency needs from various perspectives and develop cutting-edge solutions using AI and data management. Be a part of Project NOVA (Next-gen Optimization with Visionary AI) and work directly with our CEO and senior leadership team, enjoying full freedom to innovate.

Help bridge the gap between engineering and AI innovation in Project NOVA. As an AI & ML Electrical Engineer Intern, you'll apply your technical expertise to guide model selection and ensure AI solutions meet real-world needs.

### **Your Tasks:**

- Collaborate with cross-functional teams to identify AI/ML opportunities.
- Design, build, and deploy machine learning models.
- Analyze large datasets to extract insights.
- Document development processes and model results.
- Present findings to stakeholders using visualizations and reports.

- Stay updated with AI/ML advancements.
- Apply AI/ML techniques using Azure Machine Learning.
- Bridge engineering and AI requirements.

**We offer:**

- The opportunity to gain practical experience in the field of optical current measurement technology and sustainable energy transmission in an innovative company
- You will work in a motivated team on forward-looking projects and gain insights into the latest technologies
- Support from experienced professionals in handling the latest measurement technology

**Our Commitment**

Trench invites applications from all qualified individuals and is committed to fostering workplace diversity. We provide accommodations to applicants with disabilities throughout our hiring process. If you require this information in an alternate format, need communication support, or need accommodation in applying for a posting and/or are selected for an interview, don't hesitate to reach out to us. Trench utilizes artificial intelligence in its job scanning and recruitment process to effectively find the candidate most suitable for each position.

HAVE WE PIQUED YOUR INTEREST? We are looking forward to receiving your application - just click on the "Apply Now" button and send us your application.

## Job Requirements

**Requirements:**

- Pursuing or recently completed a degree in Electrical Engineering, Mechatronics, or related field.
- Strong understanding of machine learning algorithms.
- Proficiency in Python, R, or Java.
- Experience with AI/ML libraries (e.g., TensorFlow, PyTorch, scikit-learn).
- Analytical and problem-solving skills.
- Communication and presentation skills.
- Experience with data visualization tools (e.g., Tableau, Power BI).
- Experience with vector databases (e.g., Pinecone)
- Knowledge of Azure cloud platforms.
- Coding experience (Python or similar).
- Ability to translate customer needs into technical specs

**Please note, applicants must submit their Github profiles alongside resumes.**

**Citizenship Requirement**      N/A

## APPLICATION INFORMATION

**Application Procedure**      Through Employer Website

**Special Application Instructions**

**Please note, applicants must submit their Github profiles alongside resumes.**

**Application Link:** <https://trench.csod.com/ux/ats/careersite/1/home/requisition/1337?c=trench&sq=req1337&source=LinkedIn>

**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.**