Digital Technologies Degree Program – Student AI Developer

Electrify your career and help build a brighter tomorrow.

OPG is on a mission is to build a sustainable future powered by our electricity, ideas, and people. Our vision is to electrify life in one generation. Harnessing the power of artificial intelligence, you will have the opportunity to drive cutting-edge technologies and solutions that will propel our company and the industry forward. Your expertise will not only transform the way we operate but also impact the lives of millions as we provide clean and reliable energy to Ontarians.

Every generation has a challenge that defines them. At OPG, we are calling on all innovators, disruptors, thought leaders and change-makers. Join us to electrify life in one generation and build a sustainable future powered by our electricity, our ideas, and our people. Join OPG and make history.

Accommodations

OPG is committed to fostering an inclusive, equitable, and accessible environment where all employees feel valued, respected, and supported. If you require accommodation during the application or interview process, please advise us as soon as possible so appropriate arrangements can be made.

If you require information in a format that is accessible to you, please contact AODA@opg.com

Job Overview

We are a dynamic organization at the forefront of the energy industry, and we are seeking a talented and motivated student AI Developer to join our innovative team. In this role, you will have the opportunity to develop and apply AI algorithms and models to support the secure economic operation of our power generation assets.

As an Ontario Power Generation (OPG) student AI Developer, you will get hands-on experience working with cutting-edge technologies and collaborating with industry-leading experts, allowing for personal and professional development. At OPG, we strive to create an open and inclusive culture that inspires learning, creativity, and innovation. As a student AI Developer, you will be gaining invaluable experience while playing a vital role in the development of the energy industry.

If you are passionate about AI and want to be part of a dynamic organization that is shaping the future of the energy industry, apply for our student AI Developer role today. Join us on the forefront of innovation and help us lead the way in creating a sustainable energy future for generations to come.

Key Accountabilities

- Apply knowledge of data science methods such as Natural Language Processing, Large Language Models, Machine Learning, Reinforcement Learning, Deep Learning, and Optimization.
- Help Train and deploy AI/ML models like logistic regression, decision trees, clustering, and Bayesian networks under the guidance of a data scientist.
- Perform data cleansing activities and support the management of data quality.
• Collaborate with the AI team and contribute towards the development of AI projects.
• Participate in daily stand-up meetings and provide insightful feedback to the team
• Help prepare documentation
• Participate in any other related tasks assigned by the AI team
• Other duties as assigned

Requirements

• Enrolled in the Bachelor of Applied Science in Digital Technologies at Lassonde School of Engineering.
• **Location**: Role based in Toronto or Durham Region
• **Type**: Full Time Hybrid – 35 hours per week, **3 days in-person, and 2-days remote**.
• **Duration of contract**: 12 months starting in September 2023
• **Number of positions**: 1

Skills and Competencies

• Experience in or willingness to learn how to build and deliver data science products in Python, and understanding of major libraries / tooling.
• Familiarity or willingness to learn with software development and ML Ops best practices.
• Familiarity with version control software such as git.
• Experience or willingness to learn with building data pipelines that perform preprocessing and cleaning tasks on large datasets in Spark.

What Makes a Career at OPG Different?

As Ontario’s largest clean energy generator, we’re building, expanding, and innovating the equipment and technology that keeps Ontario powered with clean, reliable energy.

At OPG, our values are our strengths. They are fundamental truths about our organization that don’t change:

**Safety** – it’s our business.
**Integrity** – always lead with integrity.
**Excellence** – never satisfied with good enough.
**Inclusion** – working together for powerful outcomes.
**Innovation** - creativity accelerates possibility.

Here's why OPG might just be the ideal workplace for you:
• Exceptional range of opportunities province-wide
• Long-term career growth and development opportunities
• Electricity is vital to the province and OPG’s clean electricity is helping decarbonize other sectors.

Our promise to you:

• We care about the safety and the well-being of our employees. It is our utmost priority.
• A supportive work environment where you can be your best every day.
• Opportunities to stretch and develop.
- Offer different ways for you to give back to communities where we operate.
- Partner with Indigenous communities and support local businesses.
- We support employment equity, diversity, and inclusion.

Are you ready to start a career that has the power to electrify life on and off the job? Apply now.