

Verschuren Centre
Machine Learning Engineer- Renewable Energy Team
Location – Sydney, Nova Scotia

The vision of the Manifold Process Analytics team is to develop state-of-the-art capability in digital twin technology (multibody simulation, system dynamics, system optimization, & design methods) and inference algorithms enabling real-time monitoring, optimization, predictive analytics, and root cause failure assessment in wind turbine operations. The ML engineer position is a full stack engineer role with a deep understanding of cloud technologies and software engineering practices.

Job Responsibilities:

- Implement numerical models and data ingestion pipelines.
- Expand and optimize data pipelines, data flow, and collection for cross-functional teams.
- Create and maintain data and model pipeline architectures.
- Identify and implement internal process improvements including automating manual processes, optimizing data delivery, and redesigning infrastructure for greater scalability.
- Implement Machine Learning (ML) and Big Data platforms in a cloud environment (AWS experience preferred).
- Experience in container, streaming, and messaging technologies is a plus.

Qualification:

- Advanced proficiency in Python, Java and Scala.
- Strong computer-science fundamentals, such as algorithms, data structures, multithreading, object-oriented development, distributed applications, client-server architecture.
- Knowledgeable of ML frameworks, libraries, data structures, data modeling, and software architecture.
- Good understanding of mathematics, statistics, and algorithms.
- Excellent analytical and problem-solving abilities.
- Great communication and collaboration skills.

**All interested candidates are asked to send in their resumes and cover letters to
info@verschurencentre.ca prior to June 18th, 2021**