

Madison Buitenhuis

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EDUCATION

University of Liverpool

M.Sc. in Data Science and Artificial Intelligence

Liverpool, England

Sept 2024 - Current

University of Waterloo

B.Sc. in Honours Mathematical Physics

Waterloo, ON

Aug 2023

TECHNICAL SKILLS

- **Languages:** Python, C, SQL, DAX
- **Developer Tools:** DBeaver, DBVisualizer, PowerBI, Excel, GitHub
- **Libraries:** pandas, PyTorch, TensorFlow, Sklearn

WORK EXPERIENCE

ThoughtWire

Data Engineer Co-op

Toronto, ON

Mar 2022 - Aug 2022

- Streamlined client PowerBI dashboard data by using SQL and M, developing metrics, and seamlessly integrating data
- Optimized ETL pipelines, significantly boosting operational efficiency for customer dashboards
- Maintained transparent communication within the team through presentations and regular Jira updates on project advancements

Scotiabank

Data Analyst Co-op

Toronto, ON

Jan 2021 - April 2021

- Spearheaded a project to develop a PowerBI dashboard for an internal team, allowing said team to increase efficiency
- Built above project utilizing SQL to gather and clean data, Python to automate running the SQL process daily, and PowerBI to construct the dashboard
- Constructed PostgreSQL queries for multiple internal teams to meet specific needs
- Researched and presented a personal project comparing the Hadoop ecosystem with Minio, DremIO and Kubernetes to the Data Governance team.

Scotiabank

IT Analyst Co-op

Toronto, ON

Sept 2020 - Dec 2020

- Developed sophisticated PostgreSQL queries to efficiently access and uphold data quality within a Hive database
- Performed data analysis on team-related datasets, extracting valuable insights
- Utilized skills in DBVisualizer to navigate Hive, demonstrating a high level of proficiency in database visualization tools

Scotiabank

Technical Analyst Co-op

Toronto, ON

Jan 2020 - April 2020

- Efficiently migrated substantial data volumes to a new internal website, ensuring efficiency and data integrity
- Contributed to the team's rebranding initiative by actively participating in the creation of an internal logo and newsletter
- Successfully adapted to the transition from in-office work to a remote environment