

Dylan Loader

DylanLoader@gmail.com | (780) 293-1570 | Edmonton, AB | [linkedin.com/in/Dylan-loader/](https://www.linkedin.com/in/Dylan-loader/)

SKILLS

Data Science and Analytics: Applied various data extraction and cleaning approaches to real-world financial time-series data, including transaction and financial asset data

Supervised Machine Learning: Designed logistic regression algorithms for classification and tree-based models for classification and regression

Unsupervised Machine Learning: Designed Euclidean and Density-Based clustering algorithms as preprocessing work for downstream tasks

Programming and Model Construction: Utilized Git platforms such as GitLab and GitHub to facilitate collaboration with team members for code tracking and documentation

Communication: Wrote documentation for project tracking and presented results to many internal and external stakeholders across various organizations

EDUCATION

University of Calgary MSc Statistics	April 2024 Calgary, AB
University of Calgary BSc Statistics, Minor in Data Science	April 2019 Calgary, AB
MacEwan University BSc Mathematics, Minor in Economics	April 2016 Edmonton, AB

WORK EXPERIENCE

Data Science Consultant (Internship) ATB Financial	October 2022 – July 2023 Calgary, AB
<ul style="list-style-type: none">• Querying and transforming data through Google BigQuery queries with SQL• Researching methods for implementing Graph Feature Engineering in fraud detection pipelines• Developing a knowledge base with the CRISP-DM framework to document the project requirements and progress• Implementing Gradient Boosting Models with Catboost and XGBoost to validate engineered features against currently implemented feature sets on transaction datasets in the 10M-100M observation scale	
Associate Machine Learning Developer (Internship) AltaML and ATB Financial	July 2021 - September 2021 Calgary, AB
<ul style="list-style-type: none">• Built pre-processing pipelines for down-stream internal projects at ATB• Experimented with Cluster Analysis to improve customer segmentation implementations• Presented weekly experimentation progress and provided evidence-backed recommendations to senior managers and directors	
Data Science Development (Internship) Benevity Inc.	June 2020 - March 2021 Calgary, AB
<ul style="list-style-type: none">• Built scalable data ingestion and cleaning pipelines in Python through AWS SageMaker• Proposed and implemented data imputation methods to improve data completeness• Researched and documented anomaly detection methods to augment internal fraud investigations	
Graduate Teaching Assistant (Data Science) University of Calgary	September 2019 - December 2019 Calgary, AB
<ul style="list-style-type: none">• Clarified lecture material and learning outcomes during and after tutorials through in person instruction and email• Assisted students through code reviews in R and report writing in RMarkdown• Guided students through project design, improvement, and implementation for final course projects	