Reuben McCleary

Full-Stack Developer

(519) 999-6694 - [reuben.mccleary@gmail.com](mailto:reuben.mccleary@gmail.com) - Waterloo, ON, Canada - ReubenAnalyti.ca

**WORK EXPERIENCE**

# Software Consultant,Reuben Analytica

## Jan 2021 – Present, Remote

* Designed and implemented an AI-powered report card writing assistant for 160,000 Ontario teachers. Leveraged **JavaScript**, **RAG LLMs and LangChain** to generate precise and personalized comments for students, resulting in an average time savings of 3 hours per teacher report card writing session
* Implemented a data management system for an Osteopathy clinic, enabling secure storage and retrieval of client data. Conducted data analysis to identify trends, optimize resource allocation, and enhance patient care.

# Data Engineer, Shippo Inc.

## Jan 2021 –Oct 2021, San Francisco CA, USA

* Identified and executed enhancements for an existing Machine Learning churn model, resulting in a significant 25% increase in churn prediction accuracy
* Collaborated with the Marketing team to design and implement a robust system for tracking user acquisitions using AWS Cloud and Google Analytics data

# Data Scientist, Autodesk Inc.

## May 2020 – Dec 2020, San Francisco CA, USA

* Spearheaded the development of a suite of **Machine Learning models** using **R**, **SQL,** and **Python** to predict and interpret customer churn. Leveraged diverse customer data **channels** including events, interactions, and subscription history, resulting in a 77% increase in churn prediction accuracy
* Conducted analysis of internal Looker usage data, identifying areas of underutilized skills, and subsequently designed and delivered targeted workshops to bridge knowledge gaps
* Increased Looker adoption by 83% and Looker efficiency by 41% within assigned teams

# Software Development Engineer in Test, PlanGrid Inc.

## May 2019 – Aug 2019, San Francisco CA, USA

* Implemented comprehensive end-to-end and integration tests in **JavaScript**, contributing to code reliability and ensuring data quality
* Developed a database manager in Python using Alembic and SQLAlchemy
* Used **JavaScript** to Integrate Cypress intoJenkinsdeployments

**QA Developer**, University of Waterloo

Jan 2018 – Apr 2018, Waterloo, ON, CAN

* Implemented a testing framework from scratch using **JavaScript**, Selenium WebDriver and Cypress.io
* Wrote integration and end-to-end tests in JavaScript, utilizing the Page Object Model
* **Collaboratively** worked across agile QA, Front-end and Back-end teams

**Education**

**BMath STATISTICS | PURE MATH MINOR | COMPUTING MINOR**, University of Waterloo

Sep 2016 – Dec 2022, Waterloo ON, CAN

* Focused on **Statistical Learning**, **Classification**, and **Data Visualization**
* Enrolled in CS courses related to **Data Structures** and **Data Management**
* Took part in Soccer Teams, the Data Science Team, and Gaming clubs

**SKILLS**

SQL; Python; R; Scikit-Learn; Looker; Jupyter; Snowflake; AWS; Pytorch; DBT; Apache Spark; Machine Learning