REUBEN MCCLEARY

FULL-STACK DEVELOPER

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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 into Jenkins deployments

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