

Eric Mah

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EDUCATION

University of Alberta

B.S. Specialization Computer Science

Expected Graduation 2026

- Relevant Coursework: Introduction to Software Engineering (Java, Android Studio, Firebase, Github), Data Structures & Algorithms, Machine Learning, Practical Programming Methodology (C), Introduction to File and Database Management (SQL, MongoDB), Business Technology Management (Power BI, SQL, MS Office Suite).

WORK EXPERIENCE

KYAN Properties

Calgary, AB

Automation and Frontend Development Intern

December 2023 - Present

- Developed Python scripts to streamline month-end reconciliation processes by automating the extraction and summarization of reservation data from various sources, reducing manual effort by 80%.
- Leveraged Python to automate the data validation process for property listings, ensuring up-to-date and accurate information across multiple platforms, saving 10+ hours weekly.

Calgary Korean Golf Association

Calgary, Alberta

Summer Analyst Intern

May 2023 - September 2023

- Streamlined the company's client management system by migrating from a disorganized Excel sheet to a structured SQLite database, leveraging Python for automation and data cleaning, resulting in a 32% reduction in data retrieval time and a 30% improvement in overall data accuracy.
- Collaborated with cross-functional teams, including upper management and IT, to integrate data systems and increase the efficiency of workflows, leading to a 25% increase in interdepartmental efficiency and a more cohesive data management strategy.

PROJECTS

EmploiFirst | React, TypeScript, Node.js, Cypress

- Led the project as the acting project manager, implementing Agile and Scrum methodologies to guide the team through iterative development cycles, ensuring alignment with project goals and timelines.
- Oversaw API integration by coordinating with backend developers, ensuring seamless front-end functionality and enhancing user interactions.
- Created a user-friendly frontend design with a strong focus on accessibility, ensuring an inclusive experience for all users.

MMA Fight Predictor | Python, Flask, HTML, CSS, JavaScript

- Utilized Scikit-learn to implement a machine learning pipeline, incorporating feature engineering techniques such as Polynomial Features and Standard Scaler to normalize data.
- Developed robust data preprocessing workflows to handle missing values, perform unit conversions, create new features, and implement one-hot encoding, ensuring high-quality and reliable input data for the model.

SKILLS

- Proficient in Python, Power BI, JavaScript and SQL with experience utilizing Google Cloud Platform (GCP) for managing cloud hosted databases and optimizing data workflows.
- Knowledge of statistics, predictive modeling, machine learning, data mining, feature engineering.
- Ability to lead and operate within an environment where change happens frequently.