

Eric Mah

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EDUCATION

University of Alberta

Edmonton, AB

B.S. Specialization Computer Science

September 2022 - December 2025

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

PROJECTS

EmploiFirst | *React, TypeScript, Node.js, Selenium*

- 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.
- Facilitated daily stand-ups and sprint planning sessions to optimize collaboration and productivity, enabling the team to deliver key front-end features, including interactive dashboards and accessibility improvements.
- Oversaw API integration by coordinating with backend developers, ensuring seamless front-end functionality and enhancing user interactions.

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

- Developed a machine learning model using GradientBoostingClassifier to accurately predict MMA fight outcomes, leveraging PolynomialFeatures and StandardScaler for feature engineering and data normalization.
- Ensured secure data storage with Firebase integration, maintaining real-time event data and check-in status, while overseeing team adherence to best practices for data security and application design.

EXPERIENCE

KYAN Properties

Calgary, Alberta

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.
- Designed and implemented user-friendly interfaces for the company's internal dashboard using **React**, enhancing the property management team's ability to track and manage reservations efficiently.

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.

SKILLS

- Proficiency in programming languages like Python, C, SQL, React, JavaScript, HTML, CSS, TypeScript
- Ability to analyze the scope, requirements and issues and define the work effort required to address them;