

# Eric Mah

(403) 702 0875 | eric.mah25@gmail.com | <https://github.com/ericmah123> | [www.linkedin.com/in/eric-mah2](http://www.linkedin.com/in/eric-mah2)

## EDUCATION

### University of Alberta

Edmonton, AB

*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, Git*), Introduction to File and Database Management (*SQL, MongoDB*), Business Technology Management (*Power BI, SQL, MS Office Suite*), Web Applications and Architecture (*Django, React*).

## PROJECTS

### EmployFirst | *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*

- 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.
- Built a predictive model evaluation framework, including visualization tools such as confusion matrices and ROC curves, to assess model performance and identify areas for improvement.

## 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.