

Qiaowen Mei

3315 Montgomery Dr Santa Clara, CA 95054

205-844-2191

meiqiaowen@gmail.com

[LinkedIn](#)

EDUCATION

Northeastern University

San Jose, CA

Master of Science, Major: Computer Science

Expected Graduation: Dec 2025

University of West Alabama

August 2021- May 2023

Livingston, AL

Bachelor of Business Administration, Major: Quantitative Finance and Economics

PROJECTS

E-commerce Website for Cat Products

- Designed, developed, and deployed a dynamic, user-friendly, and readable full stack e-commerce platform, focusing on delivering an intuitive user interface, and user experience, robust shopping functionality, and easy transaction.
- Integrated user authentication and account management using **Firebase**, providing secure login and registration functionalities for over **500** users.
- Implemented a responsive and mobile-friendly design to provide a seamless shopping experience across various devices and contributing to a **20%** increase in mobile traffic.
- Created a comprehensive shopping, payment, order management system via PayPal and credit card options, facilitating secure transactions with an average of over **200** monthly purchases.
- Constructed the frontend using **React.js**, **React Router**, **CSS**, **Bootstrap**, which resulted in a fully functionality website for users to browsing, selecting, and purchasing.

Housing Prices Prediction

- Conducted a machine learning model in **Python** of Boston housing price dataset, examining all features, such as the number of rooms, employment status, education and so on. Using the Boston house dataset for training and testing.
- Implemented regression algorithms including **Linear Regression**, **Decision Tree** to evaluate the performance.
- Using various techniques, including histograms, scatter plots, to achieve a well-performing housing price prediction model with accurate price estimates by **90%**.

Speech Contest Management System

- Developed a **C++** application to manage a speech contest, handling over 100 speaker entries with key features like speaker management, which implemented functionality to initialize, create, and manage speaker details.
- Applied advanced features including STL containers (vectors, maps, deque), file I/O operations, and object-oriented principles.
- Ensured data integrity and persistence through effective file handling and record management, allowing for **100%** accuracy in speaker data retrieval and updates.

SKILLS

- Language:** Python (NumPy), JavaScript (React, Node.js, Typescript), C++, C, Java, CSS, Golang, Swift, R, HTML, Shell, Ruby
- Tools/Frameworks:** MySQL, Git, Docker, Linux, MongoDB, AWS, Google Cloud Platform, Django, Flask, Angular, Flutter, Android Studio, Spring Root, RDS, Postman
- Coursework:** Algorithm, Optimization, Linear Programming, Object-oriented Design, Web Application

ACTIVITIES

CFA Institute Research Challenge 2021

- Collaborated with other teammates to do a in-depth research for the company. Focus on the team working process and data analysis, demonstrated strong communication and presentation skills.
- Analyze the company's financial statements, industry trends, and competitive skill to provide investment advice.
- Developed a comprehensive equity research report, including financial models and valuation techniques.