

EDUCATION

University of the Pacific, Stockton, California

Aug. 2024 - May. 2026

Master of Science in Data Science, **overall GPA: 3.92 / 4.0**

Relevant Courseworks: Relational Databases, Machine Learning, Natural Language Processing

Ming Chi University of Technology, New Taipei City, Taiwan

Bachelor of Science in Material Science and Engineering

Sept. 2019 - Jun. 2023

Relevant Courseworks: Thermal Dynamics of Materials, Engineering of Mathematics, Semiconductor Processing

SKILLS

Programming	Python, SQL, JavaScript, HTML, CSS
Frameworks & Libraries	Flask, Vite, React, Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib
Databases & DevOps	MySQL, SQLite, Git, REST APIs
Languages	Mandarin (Native), English (Fluent)

EXPERIENCE

Birthday Messaging, London, UK (Remote)

Apr. 2025 - May. 2025

Software Developer Intern (Full-Stack)

- Enabled automated, timezone-aware email scheduling by developing backend features using Flask, APScheduler, SMTP, and pytz, allowing users to schedule, track, and cancel messages across time zones
- Streamlined user data input by building a file upload system with StringIO and datetime, supporting contact imports from .csv and .vcf files to simplify recipient management
- Enhanced user experience and feature visibility by designing a responsive overview page and a timezone selection dropdown using Vite, React, and JavaScript

SELECTED PROJECTS

NYC Traffic Collision Analysis Dashboard [Website](#) | [Github](#)

July. 2025

- Built a full-stack traffic dashboard (React, Plotly.js, Flask) visualizing 2.1M+ collision records, identifying high-risk streets and peak crash times.
- Developed a Flask API with Pandas to preprocess and serve real-time analytics, reducing frontend load and enabling actionable safety insights.

AI-Powered Resume Analyzer [Website](#) | [Github](#)

July. 2025

- Developed a full-stack resume analyzer using React and Python to increasing resume-to-job match scores by 40% for users by leveraging Google's Gemini API for resume analysis and skill gap identification
- Increased user engagement by 25% by integrating Adzuna and SerpApi to provide real-time job postings and targeted Coursera course recommendations, enriching the user experience
- Engineered and deployed a cross-platform resume analyzer as a web app on Render and a macOS desktop app to expand user accessibility, using React, Python, and Vite

Time Series Forecasting of TSMC Stock Prices [Website](#) | [Github](#)

Jun. 2025

- Developed a full-stack application to forecast stock prices by serving model predictions from a Python Flask API to a React-based user interface
- Optimized time-series model accuracy by using KerasTuner to automate hyperparameter tuning across multipleneural network architectures (LSTM, GRU, Conv1D)
- Engineered a data pipeline to automate the end-to-end processing of time-series data—including fetching, cleaning, and formatting for consumption by deep learning models