KAI-HSIN HUNG

Stockton, CA

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EDUCATION

University of the Pacific, Stockton, California   Aug. 2024 - May. 2026

Master of Science in Data Science, **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   Jun. 2023

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

SKILLS

Programming	Python, SQL, JavaScript, HTML, CSS
Frameworks & Libraries	Flask, React, Vite, Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, Plotly
Databases & DevOps	MySQL, SQLite, Git, REST APIs

EXPERIENCE

Birthday Messaging, London, UK (Remote)   Mar. 2025 - May. 2025

Software Developer Intern (Full-Stack)

- Built and deployed a timezone-aware email scheduling system (Flask, APScheduler, SMTP, pytz) enabling 100% accurate cross-time-zone message delivery with tracking and cancellation features
- Streamlined user data input by building a file upload system with StringIO and datetime, supporting bulk imports of 1,000+ contacts in seconds
- Enhanced usability and feature discoverability by designing a responsive overview page and timezone selection dropdown using Vite, React, and JavaScript

SELECTED PROJECTS

NYC Traffic Collision Analysis Dashboard   July. 2025

Full-Stack | JavaScript, Vite, React, Python, Plotly

- Designed and launched an interactive traffic dashboard (React, Plotly, Flask) analyzing 2.1M+ collision records, pinpointing high-risk streets and peak crash hours, enabling data-driven public safety planning
- Developed a Flask API with Pandas to preprocess and serve real-time analytics, reducing frontend load time by 20%

AI-Powered Resume Analyzer   July. 2025

Full-Stack | JavaScript, Vite, React, Python, Plotly

- Implemented real-time resume parsing and keyword extraction pipelines (Pandas, Flask) to deliver instant skill-gap feedback for users
- Created an AI-powered resume analysis tool integrating Adzuna and SerpApi for real-time job trends and Coursera recommendations, increasing user engagement by 25%

Time Series Forecasting of TSMC Stock Prices   Jun. 2025

Full-Stack | Python, Flask, React, Keras, TensorFlow, Pandas |

- Built a stock price forecasting app serving model predictions from Flask API to a React UI
- Boosted forecasting accuracy by optimizing hyperparameters across LSTM, GRU, FFN, and Conv1D models using KerasTuner, outperforming baseline models by 15%
- Automated data pipelines for fetching, cleaning, and formatting time-series data for deep learning models