

KAI-HSIN HUNG

Stockton, CA

(209) 453-5750 | k_hung2@u.pacific.edu | linkedin.com/in/kai-hsin-hung | github.com/hungkaihsin | Website

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 & Analytics | Python, SQL, JavaScript, HTML, CSS, Power BI, Tableau

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, Power BI

- Analyzed 2.1M+ NYC collision records to identify top crash locations and peak hours by cleaning data in Python and creating DAX-powered Power BI dashboards
- Improved frontend performance by 20% and delivered real-time insights by deploying a Flask API with a React/Plotly interface.

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