Kaihuan Huang

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EXPERIENCE

Real Estate Assistant AI Inc. San Mateo, CA
Full Stack Software Engineer *Feb 2022 - June 2024*

- Designed and developed an **AI-driven real estate assistant** using **Azure Cognitive Services**, enabling human-like explanations of property features through **Speech-to-Text** and **Text-to-Speech APIs**.
- Integrated a custom recommendation engine and implemented **YOLO v3 CNN** for real-time object detection and tracking, enhancing virtual property walkthroughs with personalized and dynamic interactions.
- Built and deployed the solution on **Azure cloud** with a modular architecture, ensuring scalability and low-latency performance, and optimized CI/CD pipelines for seamless updates.
- Collaborated with cross-functional teams to enhance the user experience, combining AI capabilities with **Next.js** and **Tailwind CSS** for a responsive and intuitive front-end interface.

Jackson Ventures. Remote, CA, USA
Full Stack Software Engineer *June 2024 - Present*

- Developed a full-stack stock price prediction app leveraging **Python**, **Streamlit**, and advanced models (**ARIMA**, **LSTM**, **Hybrid Prophet-LSTM**) to deliver accurate time series forecasts.
- Designed an intuitive **UI** for stock selection and data inputs, incorporating interactive visualizations with **Plotly**, increasing user engagement by 25%.
- Optimized data pipelines using **pandas** and **numpy**, reducing processing time by 15% and enabling real-time performance monitoring.

SVCSA. Remote, CA, USA
Full Stack Software Engineer *Aug 2024 - Present*

- Developed a full-stack application using **React/Next.js** for the frontend, **Feathers.js** for the backend, and **MySQL** for the database, creating a decoupled and scalable architecture.
- Deployed the application via **Docker** and **Azure** with a fully integrated **CI/CD pipeline**, streamlining development and deployment processes.
- Optimized frontend performance with **TailwindCSS** and **NextUI**, and implemented automated testing using **Jest**, enhancing system reliability and reducing development time by 20%.
- Showcased adaptability by working with diverse stacks, including developing a three-tier PHP application using **ThinkPHP**, **HTML/CSS/JavaScript**, and **MySQL**.

Hackathons | *UXUI, OOD, Cross-Functional Leadership, Strategic Product Development* Nov 2023

- Achieved **First Place** at the **Girls in Tech SF Hackathon** and won **the London Design Award** by leading the development of **LightUp** a donation-enhancing app in 24 hours; conceptualized **Time Portal** a futuristic app for **GenLab.Studio's Gen AI Hack II**.

SKILLS

Languages: Python, JavaScript, TypeScript, Java
Web Development: React, Next.js, Redux, Node.js, Express.js, Tailwind CSS, GraphQL
Machine Learning: TensorFlow, PyTorch, Scikit-learn, Pandas, OpenCV, Seaborn
Databases: MongoDB, MySQL, PostgreSQL, Redis
Developer Tools: Azure, AWS, Docker, Kubernetes, Git, Postman, Figma
Languages Spoken: English, Spanish, Mandarin, Cantonese

EDUCATION

University of York York, UK
Master's Degree, Computer Science with Artificial Intelligence *Sep 2022 – Sep 2024*

- Relevant Coursework: Machine Learning, Advanced Algorithms, Natural Language Processing, Distributed Systems.

UC Berkeley Extension Berkeley, USA
Certificate in Full Stack Web Development *Jun 2022 – Dec 2022*

- Focused on MERN stack (MongoDB, Express.js, React, Node.js), REST APIs, and CI/CD pipelines.