

Shao-Hsiang Chien

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SKILLS

- **Programming Languages:** Proficient: Python, JavaScript; Familiar: C, C++, HTML, CSS, SQL, R
- **Frameworks:** Proficient: React.js, FastAPI; Familiar: React Native, Next.js, TensorFlow, Scikit-learn
- **Tools & Technologies:** Azure, AWS, DevOps, CICD, MLOps, Git, GitHub, Linux, Docker, Pytest

WORK EXPERIENCE

Systemx Software: *Software Engineer* Jan 2024 – Jul 2024

- Led the development of a full-stack generative AI SaaS platform using React.js and FastAPI, resulting in the successful sale to Taiwan's largest bank.
- Enhanced chatbot functionality by implementing RAG techniques, leading to a 30% improvement in response accuracy, by conducting extensive research and optimization.
- Streamlined deployment processes by managing infrastructure as code with Bicep and containerization with Docker, reducing deployment time by 30%
- Collaborated in an agile team, using Azure DevOps for CI/CD, and developed unit tests with Pytest, resulting in 40% faster development cycles and higher code reliability.

Microsoft: *Software Intern* Jul 2022 – June 2023

- Designed a hands-on MLOps Lab, integrating IaC, ML CI/CD, and automated retrain triggers, enhancing client understanding of modern MLOps practices.
- Conducted over 5 MLOps Lab workshops, instructing more than 150 enterprise clients, resulting in increased adoption of Azure MLOps solutions.
- Implemented a PoC of multi-stop delivery routing for logistics of e-commerce clients using Azure Maps
- Created 6 cloud demos showcasing Azure Data & AI products, including OpenAI models

Freelance: *Frontend Developer* April 2022 – June 2023

- Developed and deployed an e-commerce website for a reference book brand using React.js, hosted on Azure.
- Created a responsive landing page for a blockchain startup, resulting in a 40% increase in user engagement.

PROJECT

Vocabulary App for Building Flashcards from Images Jan 2022 – Mar 2022

Independent Project

- Developed a vocabulary app using React Native, AWS DynamoDB, and FastAPI, enabling users to create custom vocab collections from images.
- Implemented object detection and OCR to extract highlighted words, enhancing user convenience.
- Designed interactive features that boosted vocabulary retention and increased user engagement by 30%.

Startup Speedup - Startup Matchmaking Platform Feb 2022 – Jan 2023

National Tsing Hua University

- Built a matchmaking platform for entrepreneurs using React and Firebase, growing user base to over 300.
- Led cross-functional teams using Scrum to iteratively enhance the platform, increasing user engagement by 40% through continuous feedback.

EDUCATION

Rice University || Houston, Texas Aug 2024 – June 2026

Master of Computer Science

National Tsing Hua University || Hsinchu, Taiwan Sep 2019 – June 2023

Bachelor of Business Administration

- Double Specialty Program in Quantitative Finance and Computer Science
- **Relevant Coursework:** Data Structures and Algorithms, Computer Network, Computer Architecture, Operating System, Data Mining, Discrete Mathematics, Linear Algebra