

KUAN-TING CHEN

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SOFTWARE ENGINEER

Self-driven full-stack engineer with 3 years of experience, passionate about solving complex technical challenges and collaborating with cross-functional teams. Takes ownership of projects from concept to production, effectively communicating with stakeholders to deliver user-centric solutions focused on usability and quality through clean, efficient code.

AREAS OF EXPERTISE

Software Development | User Experience Optimization | Bug Resolution | Scalable Solutions | Process Improvement | Cross-Platform Development | Quality Assurance | Backend Development | Agile methodologies

TECHNICAL SKILLS

Python | React | Redux | JavaScript | Typescript | Java | Git | HTML | SQL

PROFESSIONAL EXPERIENCE

C3 AI, Redwood City, CA

June 2023 – May 2025

Software Engineer

- Improved data onboarding time by 90%, by designing and building a scalable self-service data integration platform. This platform allowed users to seamlessly upload and integrate large datasets from files and databases into the C3 AI pipeline. [React, TypeScript, Java]
- Optimized API interactions and frontend state management, reducing page load times by 40% and improving user experience for enterprise customers.
- Drove a 30% improvement in user engagement, by delivering a responsive, accessibility-first design for the self-service data integration platform.
- Enabled users to track, filter, and resolve queued jobs efficiently through intuitive dashboards and real-time updates, by developing a job monitoring & workload management frontend in C3 AI Studio.

Emocha Health, Baltimore, MD

June 2022 – August 2022

Software Engineer Intern

- Reduced manual testing efforts by over 60% by designing and implementing a robust, reusable end-to-end automation framework, enabling faster regression testing and more reliable feature rollouts.
- Improved platform reliability and reduced production incidents by leading critical debugging efforts across the web application, identifying and resolving root causes in GraphQL API interactions and backend database queries. [TypeScript, Playwright, GraphQL, PostgreSQL, React]

Start My Wellness, Ferndale, MI

May 2022 – June 2022

Software Engineer Intern

- Reduced manual report processing time by 90% by designing and deploying an OCR solution to extract structured data from unstructured clinic reports, enabling quicker access to patient insights. [Python]
- Empowered clinical staff with a user-friendly interface to monitor and manage extracted data by building and deploying an interactive dashboard, improving operational efficiency and data accessibility. [Vue]
- Delivered a fully functional solution deployed on the cloud, ensuring scalability and minimal operational overhead for a growing clinic. [AWS]

Tsannkuen Co., Ltd., Taipei, Taiwan

Software Engineer

January 2021 – July 2021

- Improved detection of web attacks and unauthorized access attempts by designing and implementing a real-time monitoring dashboard, enhancing internal security visibility and response times. [Python]
- Analyzed large volumes of customer and sales data to uncover actionable insights, which informed strategic planning and led to improved targeting in marketing campaigns. [Splunk, Python]

EDUCATION

Master of Science (MS) in Computer Engineering

University of Michigan, Ann Arbor, MI, Apr 2023 (GPA: 3.7/4.0)

Relevant Courses: Database Management Systems, Introduction to Operating Systems, Machine Learning, Compiler Construction, Database App Design, Information Retrieval, User Interface Development

Bachelor of Science (BS) in Materials Science & Agriculture Chemistry

National Taiwan University, Taipei, Taiwan, June 2020 - 5 academic excellence awards