

Yu Cheng Huang

[Github](#) · [LinkedIn](#)
yuchenghuang.com

Full-Stack Engineer & Product Designer with 5+ years developing enterprise education platforms and AI applications. Bridge design, data, and engineering with expertise in **JavaScript/TypeScript, React, Python, and UX design**. Built federal-compliant systems serving across 11 educational centers.

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WORK EXPERIENCE

Full-Stack Engineer at Search-AI

Remote, US · July 2025 - Present

- Developed the AI-agent chat UI feature from 0 to 1 with **React** and **TypeScript**, launching the beta web app. Designed user experience in **Figma**, shipping accessible and responsive UIs.
- Collaborated with MLEs and data scientists to define analytics events and expand **MongoDB** database schema for AI-token usage and behavior modeling.
- Deployed on Netlify with hardened CSP and **OAuth** client integration, reducing security findings and safeguarded user sessions.

Full-Stack Engineer at Kai Ming Inc.

San Francisco, US · Mar 2024 - Present

- Led conversational AI analysis feature by implementing **Model Context Protocol server** using **Python** with OAuth for database integration, enabling secure LLM tool calling to query educational records.
- Spearheaded an automated reporting dashboard across **7** departments, converting **25+** recurring reports from 6 hours to 20 minutes using **Python** and **SQL**.
- Collaborated with back-end engineers to implement **10+ RESTful APIs**, using **.NET 9** and **C#**, for child data integration, enabling 2-ways communication with external systems to **700+** parent users.
- Initiated and developed the UI design system, deploying across **30+** modules, using **HTML/CSS** and **Bootstrap**, increasing development speed by **30%** while reducing user errors **22%**.
- Rebuilt the multilingual company website, using **.NET Framework, Visual Basic, MySQL**, and **Figma**, increasing enrollment submissions **24%** and strengthening brand awareness.
- Optimized SEO by setting up Google Analytics, Google Tag, GTM, OG tag, expanding target-audience reach by **250%** in partnership with marketing specialists.

UX Designer at Kai Ming Inc.

San Francisco, US · Mar 2023 - Feb 2024

- Increased monitoring efficiency by **55%** and task completion by **34%** with the web-based education management software used across **9** childcare centers for enterprise users, by designing the operation dashboard feature with RBAC system.
- Formulated complex government regulations into clear user workflows and computational logics in collaboration with PM and engineers, speeding up development efficiency by **28%**.
- Shipped **10+** major features—Enrollment, Learning Measurement (DRDP), Health Tracking, etc.—by conducting user research, wireframing, prototyping, and usability-driven iteration.

UX Designer at ContentFi

Remote, US · Sep 2022 - Mar 2023

- Designed a B2C web-based digital content management system from 0 to 1 within 3 weeks, including flows of fundraising configuration and platform audition, resulting in **95%** stakeholder satisfaction.
- Led the design team to optimize the consumer checkout flow with a web-responsive design.
- Explored the pricing strategy and prioritized the roadmap with the CEO and marketing team.

UX Designer at SCI-Arc

Los Angeles, US · Jan 2022 - Sep 2022

- Reduced booking time spent by **60%** by redesigning the end-to-end customer booking experience for web and mobile apps as well as adding a new standby list feature.
- Maintained and optimized the design system used across the web and mobile apps.

UX Designer as Freelancing	Taiwan · Oct 2018 - Sep 2019
• Increased user engagement time by 36% by designing an interactive showcase feature for customers to share, comment, and learn painting skills, while ensuring WCAG-compliant accessibility and RWD. • Improved conversion rates by 12% by optimizing the shopping checkout flow for the website.	

SKILLS

Programming Languages: JavaScript, TypeScript, Python, Visual Basic, C#, SQL
Front End: React, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap
Testing & Quality: Jest, React Testing Library, pytest
API & Back End: RESTful APIs, Axios, NodeJS, .NET Framework, .NET 9, FastAPI, MCP
Database: MySQL, MongoDB, SQL Server
Cloud: AWS, GCP, Netlify
Dev Tools: Git, Jira, Windows, Linux, Postman, Excel, ChatGPT, Claude, Gemini, Cursor
Development Methods: System Design, Object-Oriented Programming, Data Design, Data Structure and Algorithms, Web Applications, OAuth
Design Tools: Figma, Adobe Creative Suite, Cinema 4D, Unity
Design Methods: Information Architecture, User Research, Wireframing, Usability Testing, Prototyping, User-Centered Design, Design System, Responsive Web, A/B Testing, Illustration and UI Graphics

EDUCATION

Master of Computer and Information Technology at University of Pennsylvania	<i>Starting Spring 2026</i>
Credential of Readiness (pre-MBA) at Harvard Business School Online	<i>2025</i>
Master of Architecture at Southern California Institute of Architecture(3.9/4.0)	<i>2020 - 2022</i>

CERTIFICATES & COURSES

Meta Front-End Developer Professional Certificate	<i>2025</i>
Google UX Design Specialization Certificate	<i>2022</i>