Yu-Jou Yang (Nicole)

Creative Frontend Developer

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SUMMARY

Frontend developer with 7 years of experience, from large-scale content sites to agentic AI interfaces and real-time 3D. Background in Vue and JavaScript, now working mainly in React, Next.js and TypeScript.

SKILLS

Frontend: React · Next.js · TypeScript · JavaScript · Vue
AI / Backend: LangChain · OpenAI API · Node.js / Express · Python · Stripe
Creative / 3D: Three.js · GSAP · p5.js
Styling: SCSS · LESS · Tailwind CSS
CMS & Tools: AEM · Drupal / Twig · Git · Vercel

FEATURED PROJECT

TRACE · Agentic AI shopping app · Master's thesis · trace-frontend-app.vercel.app

A chat where an AI agent finds products in RFID-verified inventory and takes the user all the way to a Stripe checkout, without leaving the conversation.

- **Built the Next.js (App Router) and TypeScript frontend: chat UI, product cards rendered from the agent's tool results, and the checkout flow.**
- Built the agent loop with GPT-4o and LangChain, with tools for semantic search across a 4,000-product catalogue and for placing orders.
- Added a human-in-the-loop confirmation before payment, integrated Stripe Payment Element, and implemented an open commerce protocol (UCP) so other AI agents can use the same checkout.

Stack: Next.js · TypeScript · Node.js / Express · LangChain · OpenAI · Stripe · Vercel · Railway

EXPERIENCE

Web Developer · Supermicro — Sep 2022 – Aug 2025

- Built the company's public SEO Glossary in Drupal and Twig, on a high-traffic NASDAQ-listed site.
- Frontend point of contact across departments, turning requests into shipped, cross-device pages.

Frontend Web Developer · BenQ — Apr 2020 – Aug 2022

- Led phase one of the B2C website revamp on AEM and Vue, adding richer motion and animation with GSAP.
- Improved performance and SEO against Google Web Vitals by reducing asset sizes and improving page stability.
- Maintained the AEM brand websites and shipped new features.

Frontend Web Developer · MiTAC — Aug 2018 – Mar 2020

- Built responsive websites for multiple brands.
- Shipped email newsletters for different countries and regions.
- Built interactive projects, including an animated Christmas e-card and a bilingual resume login system.

QA Engineer · Egis Technology — Jun 2015 – Jun 2017

- Tested and analyzed ICs.

EDUCATION

ME, Cognitive Systems and Interactive Media
Universitat Pompeu Fabra, Barcelona | 2025 – 2026

BE, Computer Science and Information Engineering
Tamkang University, Taiwan | 2012 – 2016

LANGUAGES & CERTIFICATION

Chinese (native) · English (proficient) · Spanish (intermediate)
NYUx MicroMaster, Integrated Digital Media (edX)

VOLUNTEERING

Student Volunteer · ACM SIGCHI | Apr 2026

- Supported conference operations and attendee logistics for CHI 2026 in Barcelona, a top HCI conference.

Vereinigung Junger Freiwilliger | Oct 2017

- Community work camp in Berlin: on-site renovation with an international volunteer team.

Turó de Montgròs | Jun – Jul 2014

- Archaeological fieldwork on the Roman remains at Fortificació ibèrica de Montgròs.