

Vicky Sun

UX Engineer

I design and develop products that enhance everyday lives.

☎ (878) 834 9259
✉ sunnyvicks2@gmail.com
🌐 linkedin.com/in/vickycsun
🌐 www.vicky-sun.com
🔗 github.com/NOIPA171

Experience

NASA Ames Research Center California, United States
UX Engineer (CMU MHCI Capstone) Jan 2024 - Aug 2024

- Developed a simulation tool for NASA researchers, facilitating crew evaluation on human performance during spaceflight anomalies.
- Designed and created a web-based multiplayer task to simulate time-critical anomalies with React.js, Node.js, Socket.io and Kaplay.
- Conducted in-depth user research with 20+ participants, and rigorous user testing with 15+ people.

Acer AEB Taipei, Taiwan
Project Developer Apr 2020 - Oct 2022

- Led the design of UX workflows and wireframes, architected the MySQL database structure, and developed the Angular frontend for a web application collecting ESG data to audit supplier performances.
- Managed project deadlines and conducted comprehensive end-to-end testing before product release, resulting in zero critical issues post-release.
- Collaborated with cross-functional teams of programmers, project managers, designers, and system analysts.

Developer Jun 2020 - Apr 2022

- Developed, maintained and documented frontend of 4 websites using React.js, Next.js and Angular.
- Engineered and documented design system components for an e-sports platform with React.js and Storybook, setting a foundation for designer-developer collaboration.
- Built a university's website for students to find and apply for studying abroad or in Taiwan with Next.js.

22 Design Studio Taipei, Taiwan
Graphic Designer Jul 2018 - Oct 2019

- Revamped and maintained websites for Taiwanese, Chinese, and International markets with varying e-commerce platforms using HTML, CSS or Liquid.
- Managed photography, packaging, graphic design, and web maintenance tasks, ensuring their aesthetics aligned with branding visuals or product campaigns.

Education

Carnegie Mellon University
Master of Human-Computer Interaction

Pittsburgh, PA
Aug 2023 - Aug 2024

National Taiwan University of Science and Technology
Bachelor of Design in Commercial Design

Taipei, Taiwan
Sep 2013 - Jun 2017

Certificates

Front-End Engineer

iSpan (Formerly Institute for Information Industry)
Apr 2020

Skills

Technical

React.js, Next.js, Angular, HTML, CSS, JavaScript, Git, Node.js, MySQL

Design

UX Design, UI Design, Rapid Prototyping, Graphic Design, Wireframing, User Flow

Research

Affinity Diagrams, Contextual Inquiry, Usability Testing, Storyboarding, Heuristic Analysis

Tools

Figma, FigJam, Miro, Photoshop, Illustrator, InDesign

Languages

Mandarin, English