Shu-Wei Hsu

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EDUCATION

Cornell University(Cornell Tech)
Aug. 2023 – May. 2025
Incoming Master of Science in Information Systems
New York City, NY
Concentrate in Connective Media

National Taiwan University
Sept. 2018 – Dec. 2022
Bachelor of Science in Electrical Engineering
Taipei, Taiwan
Total GPA: 3.73/4.3 (3.72/4.0)

WORK EXPERIENCE

Frontend Engineer
July 2022 – Jan 2023
National Taiwan University, Office of Academic Affairs
Taipei, Taiwan
- Developed a brand new course selection system and course information website for NTU
- Reduced the Largest Contentful Paint time by 0.4 seconds and optimized performance structure scores of the website
- Improved user experience by taking part in the redesign of user flow and implementing new user interface
- Optimized the application's efficiency of data-fetching by exploiting the concept of stale-while-revalidate, a HTTP cache invalidation strategy

Software Engineer Intern
Feb. 2022 – July 2022
Kinetik Athlete
Taipei, Taiwan
- Implemented and designed features for the workout-tracking app for CrossFit athletes
- Built a cross-platform (iOS & Android) workout-displaying TV app in two months by React-Native and released in two CrossFit gyms in Taiwan
- Visualized user's historical workout data by designing and developing a new dashboard page
- Implemented a remote-controlling feature to help gym owners communicate with the TV app by mobile devices

PROJECTS

My Portfolio
May 2023

A personal website showcases my skills, experience, and projects.
- Designed the responsive UI with Figma
- Achieved good user experience by creating a smooth scrolling animation utilizing Framer Motion

SecurityCam
May 2022 - June 2022

A scalable and customizable security camera service with an auto alarm system
- Led the design of the system infrastructures and user flow
- Implemented Line Bot server using Nodejs to receive commands and interact with users
- Built frontend interface using React for users to review historical images captured by the camera

NTUCourse Neo
Nov. 2021 - June 2022

A redesigned course-planning web service for students at National Taiwan University
- Assisted 2000+ students in course planning and gained 400+ registered users in a month
- Won the 2nd best team project of 2021-Fall Web Programming Course
- Preparing for becoming the official course information website of National Taiwan University

DS Tutor
May 2021 - June 2021

A data structure visualization tool for beginners in Data Structure
- Built the frontend interface for users to manipulate the data structures by vanilla JavaScript, HTML, CSS, and jQuery
- Designed and implemented the animation of the transformation of the data structures by TweenJS and EaselJS

TECHNICAL SKILLS

Programming Languages: C++, Python, Go, HTML, CSS, JavaScript, TypeScript
Web Development: React, Node.js, Nextjs, TailwindCSS, Express, GraphQL, Docker, PostgreSQL, MongoDB
Native App Development: React-Native