Max Chuang
莊加旭
Software Engineer

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Education

National Taiwan University   Sep. 2020 – present

Electrical Engineering senior, GPA 3.86/4.3

Project Experience

Appier - Full-Funnel Marketing Made Smarter with AI, Frontend Intern   Nov. 2023 – present

TypeScript / React / Redux / agile development / jira

- Built a new feature to allow users to configure Line beacons
- Worked with the product team to resolve bugs for clients

qsyn - An End-to-End Quantum Circuit Synthesis Framework, Maintainer   Aug. 2023 – present

C++20 / cmake / docker / OpenMP / xtensor

- Implemented quantum circuit optimization via ZX-calculus
- Cooperated with a team of 5 students to maintain the framework
- Followed modern C++ coding convention and style guide

Light Dance Editor/Simulator, Team Lead   Nov. 2022 – Mar. 2023

TypeScript / React / Three.js / GraphQL / Prisma / Docker

- Lead a team of 10 students to develop a full-stack application
- Designed and built the user interface and implement RWD to provide an elegant and concise layout for the users
- Built a 3D simulator with Three.js for a more intuitive user experience
- Collaborated with our back-end and hardware team to integrate the controller and the server

Genie's lamp - IoT Intelligent Streetlight Network   Dec. 2022 – Jan. 2023

C++ / Python / Mbed OS / Flask / Docker / STM32 B-L4751 board / Raspberry Pi

- Worked with a team of mechanical engineering students to build a robot from scratch
- Integrated computer vision and machine learning to complete the several tasks

Tera-ASPer internship - Broker Management System Frontend Architecture   Aug. 2022 – Oct. 2022

TypeScript / React / Webpack / Zustand / tailwind css

- Designed and implemented a plugin architecture with module federation
- Built a React app that can handle production-level API query

Skills

C++	●●●●●	Python	●●●●●	TypeScript	●●●●●
git	●●●●●	PyTorch	●●●●○	JavaScript	●●●●●
docker	●●●●●	Machine Learning	●●●●○	React	●●●●●
Go	●●●●○	SQL	●●●●○	Next.js	●●●●●
				tailwindcss	●●●●○