



# Max Chuang

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Software Engineer

ML Engineer

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## Education

### National Taiwan University

Sep. 2020 – present

Electrical Engineering junior, GPA 3.79/4.3

## Project Experience

### 🔗 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

### 🔗 Portfolio Management With Reinforcement Learning

Nov. 2022 – Dec. 2022

Python / PyTorch / Machine Learning / Reinforcement Learning

- Developed Reinforcement Learning portfolio framework using EIIE & PVM
- Achieved results that outperformed selected asset average growth using DDPG
- Utilized Reinforcement Learning to tackle capital market complexity and maximize profit
- Demonstrated expertise in Reinforcement Learning and portfolio management.

### 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

### 🔗 MakeNTU - Infineon Enterprise Award

Mar. 2022

Next.js / Raspberry Pi / tf-lite

- Integrated image recognition on edge device for the smart recycle bin
- Built and deployed an tracking system to keep track of multiple recycle bins in a city

### TEL Robotics Competition

Sep. 2021 – Nov., 2021

Python / yolov5 / OpenCV / 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

## Skills

Python	●●●●●	TypeScript	●●●●●	git	●●●●●
PyTorch	●●●●	React	●●●●●	docker	●●●●●
Machine Learning	●●●●	Next.js	●●●●●	mongodb	●●●●
		tailwind css	●●●●	C++	●●●●
		GraphQL	●●●●	Go	●●●●