Max Chuang
莊加旭

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

🔗 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

🔗 Light Dance Editor/Simulator   Dec. 2021 – Feb. 2022

`TypeScript / React / Redux / Node.js / GraphQL / RESTful API / MongoDB`

- 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

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	● ● ● ●