

Yu-Hong Shen

☎ (+886) 922-663-724 | ✉ stanley.shen2003@gmail.com | 🌐 <https://github.com/stanleyshen2003>

Education

National Yang Ming Chiao Tung University

JUNIOR IN B.S. COMPUTER SCIENCE

Hsinchu, Taiwan

Sep. 2021 - Now

- Overall GPA: 4.22/4.3, Rank: 10/177
- Relevant Courses: Algorithm, Intro. to Machine Learning, Selected topics for Reinforcement learning, Operating System, System Administration

Projects

Multispeaker Transcription

MEICHU HACKATHON ANDROID ACCESSIBILITY PROJECT

2023

Python, Pytorch, Kotlin, Java

- **3rd** place in Meichu Hackthon Google group - Android accessibility.
- Implemented an application that identify the speaker, transcript, and display the result on the cellphone.
- Acted as the team leader of the group
- My Responsibilities: Searched for models / Back-end 80 % / Front-end back-end integration / Debug for everyone / Work presenting. **Link.**

Reinforcement Learning for Quantitative Trading

INTRODUCTION TO ARTIFICIAL INTELLIGENCE COURSE PROJECT

2023

Python, Pytorch

- Implemented DQN, DDQN, Policy Gradient and Trajectory Transformer on stock trading.
- My responsibilities: Built the training environment / Web-scraped the dataset / Implemented DQN and DDQN. **Link.**

Cellphone Rating System

DATABASE COURSE PROJECT

2022

Python, Django, SQL, AWS, HTML, CSS

- A cellphone rating system to manage the cellphone data and offer users to rate their own cellphone.
- My responsibility: Design system functions / Front-end 80 % / Back-end 10 %. **Link.**

Small tools and games

TTS TOOL / TEXT-TO-EMOJI ENCODER / WORDLE GAME / SPACE GAME

2022

Python / Kotlin / P5.js, Processing

- Multivoice text-to-speech synthesizer. **Link.**
- Personal text-emoji converter. **Link.**
- Wordle game without day limit. **Link.**
- Space shooting game. **Link.**

Course Work

Intro. to Machine Learning

IMPLEMENTATION OF ML ALGORITHMS

2023

Python

- Implemented Linear regression / Logistic regression / Fisher's Linear Discriminant / Decision tree / Adaboost.
- All the algorithms were implemented with only numpy to show full understanding of the concepts. **Link.**

Seleted Topics for Reinforcement Learning

IMPLEMENTATION OF RL ALGORITHMS ON ATARI GAMES

2023

Python, Pytorch

- Implemented TD(0) / DQN / DDQN / PPO / TD3.
- All the works was done in the gym environment using pytorch. **Link.**

Certificates

TOEIC Total: 965 / Reading: 485 / Listening: 480

GEPT High-intermediate Total: 225 / Reading: 117 / Listening: 108