

# Yu-Hong Shen

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## 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 / Front-end back-end integration / Debug for everyone / Work presenting. **Link.**

### Fine-grained Visual Classification on Birds

INTRODUCTION TO MACHINE LEARNING COURSE PROJECT

2023

Python

- Applied techniques and source code from academic papers to tackle my own task.
- Attended a Kaggle competition on fine-grained visual classification and ranked number 1. **Link.**

### Car Racing in First-person View

SELETED TOPICS FOR REINFORCEMENT LEARNING COURSE PROJECT

2023

Python, Pytorch

- Ranked 5th and 9th on two maps in the car racing competition.
- Implemented TD3 / PPO on first person view car racing. **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-scrapped 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.**

## Certificates

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

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