

Yu-Yang Zhuang

☎ (+886)910-898935 | @ yuyangzhuang0214@gmail.com | 🌐 GitHub | 📍 Hsinchu City, Taiwan

EDUCATION

National Tsing Hua University

Hsinchu, Taiwan

M.S. in Electrical and Electronics Engineering

Sep 2022 – Jun 2024 (Expected)

- **Advisor:** Min Sun
- **Relevant Coursework:** Data Mining, Deep Learning, Machine Learning, Parallel Programming, Computer Vision

National Taipei University of Technology

Taipei, Taiwan

B.S. in Electrical and Electronics Engineering

Sep 2017 – Jun 2021

- **Advisor:** Yang-Lang Chang
- **Relevant Coursework:** Deep Learning with TensorFlow, Signals and Systems

PROJECT EXPERIENCE

Human activity efficiency analysis AI system for Mirle

Mar 2022 – June 2023

National Tsing Hua University Vision Science Lab, advised by Min Sun

- Design an active learning and data enrichment strategy, aimed at extracting crucial data from daily videos, reducing labeling costs by 33% and increasing accuracy by 20%.
- Grafana and MySQL integration for effective monitoring and data visualization.

Tweets emotion classification in Kaggle competition (ranked 6/99)

Nov 2023 – Dec 2023

National Tsing Hua University Data Mining course

- Ranked 6th out of 99 participants in the Kaggle Private Leaderboard.

Parallelize Image Stitching

Dec 2022 – Jan 2023

Course project from Parallel Programming

- Parallelize image stitching, achieving a 5.3x speedup using a single GPU.

Edge AI

June 2023 – Oct 2023

National Tsing Hua University Vision Science Lab, advised by Min Sun

- Deployed object detection models on edge devices for real-time, resource-efficient inference.

INTERNSHIP EXPERIENCE

AI Algorithm Engineer Intern, COMPAL Inc. Taipei, Taiwan

Feb 2021 – Jun 2021

Python/TensorFlow/PyTorch

- Collaborated with the Brazilian AI team on the development of the AI product Pixsee, involving tasks related to object detection and emotion classification.
- Worked on Works With Alexa Program for ensuring AI product get the certification.

SKILLS

Programming Languages: Python, C++

Frameworks: PyTorch, TensorFlow, Keras, OpenCV, Cuda, OpenMP

Developer Tools: Git, Linux

System design: Design Pattern, OOP

Languages: Mandarin (Native), English (fluent)