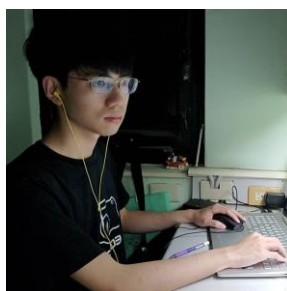


Chi-Jui Chang



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Education

National Yang Ming Chiao Tung University (NYCU)

Senior in Department of Computer Science

- GPA: 3.85/4.3

Hsinchu, Taiwan

September 2019 – Present

Work Experience

AmCad BioMed

Research and Development Intern

- Training YOLOv4 object detection model for Ultrasound Images
- Develop software functions with C#
- Software testing for AmCad-UT

Taipei, Taiwan

July 2022 – August 2022

Industrial Technology Research Institute (ITRI Taiwan)

Intern of Information and Communications Research Laboratories

- Testing OCR models and table structure detection models and analyze the result
- Develop software functions with Python
- Search and present papers with relevant topics of OCR models

Hsinchu, Taiwan

November 2022 – Present

Projects

Medical Image Segmentation – Kvasir-SEG

- NYCU Computer Science and Engineering Project
- Data augmentation by random flip, random crop, color jitter and Gaussian blur
- Pretrain encoder with self-supervised learning
- Sematic segmentation with UNet and Double-UNet (Test set IOU: 70%)

July 2022 – Present

Animation to Sketch with U-Net

- NYCU Artificial Intelligence Capstone course project
- Train UNet with dataset of animation images and its corresponding sketch
- Convert any input image into sketch-like image

May 2022 – June 2022

YouTube Revenue Prediction with Sklearn

- NYCU Introduction to Machine Learning course project
- Using dataset collected from my own YouTube channel
- The accuracy is 72%, which is higher than the revenue prediction provided by YouTube

December 2021

Programing Skill

C, C++

Python: PyTorch, Scikit-Learn, numpy, pandas, paddleOCR, pydicom.... etc

JavaScript: D3.js (amateur)

Language

Chinese: native language

English: TOEFL iBT 100/120 (reading 24/30, listening 28/30, speaking 22/30, writing 26/30)

Relevant Coursework

- Introduction to Artificial Intelligence
- Introduction to Machine Learning
- Artificial Intelligence Capstone
- Introduction to Computers and Programming
- Linear Algebra
- Data Structures and Object-oriented Programming
- Introduction to Algorithms
- Introduction to Cryptography
- Introduction to Database Systems
- Computer Organization
- Intro. to Network Programming
- Introduction to Operating Systems
- Computer Security Capstone
- MATLAB Programming Language
- Introduction to Natural Language Processing
- Data Visualization and Visual Analytics
- Evolutionary Computation

Extracurricular/Leadership

Secretary of Guitar Club, NYCU

January 2021 – July 2021

Information Officer of Computer Science Student Association, NYCU

May 2021 – May 2022

- Apply for domain name and server for student association (Gandi, DigitalOcean)
- Cooperate with members to hold events.

Manage a YouTube channel with 18k subscribers

June 2016 – Present

- Game advertising project from EFUN International Corporation: 6 sponsored posts and 4 videos
- Applying machine learning knowledge to predict revenue from videos