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EDUCATION

Rice University (Incoming)
Master of Computer Science

Houston, TX
Aug 2021 –

National Chung Cheng University (CCU)
Bachelor of Science

Chiayi, Taiwan
Jun 2019

Major: Computer Science and Information Engineering (CSIE)
Overall GPA: 3.79/4.30; GPA for last two years: 4.21/4.30; Ranking: 5/52
Received two Presidential Honor Awards

RESEARCH & WORK EXPERIENCE

Ucfunnel

Taipei, Taiwan

Data Scientist

Sep 2020 – Present

- Constructed a CI/CD pipeline for all ads' model predictions and evaluations by using Docker, Airflow, Jenkins, and Rancher to deploy the whole workflow automatically and to better perform AB model testing
- Increased 41% of the ads' winning rate prediction and tripled the overall ads' click-through rate from 0.04% to 0.12% by filtering out biased data, adjusting features, revising ROC curve's threshold, and implementing RUS with Python and Golang at the local workspace and the back-end DMP
- Built an automated testing system to ensure all features extracted at local correspond to the online server

Machine Vision and Learning Laboratory, CCU

Chiayi, Taiwan

Research Assistant

Sep 2017 – Jul 2019

- AI City Challenge Project: Utilizing Cycle GAN to make the generator separately train five different directions of car motion via large datasets
- Writing Calligraphy with Robotic Arm Project: Utilizing Cycle GAN and labeling the strokes to make a robotic arm learn a dataset with numerous characters written in different scripts

Smart Living Technology Research Center, CCU

Chiayi, Taiwan

System Programmer

Sep 2018 – Apr 2019

- Programmed and optimized a facial verification system for the National Intercollegiate Athletic Games (with about 7,500 competitors) using OpenCV
- Designed and arranged the user interface on the frontend website with OpenCV, HTML, and CSS

Viscovery

Taipei, Taiwan

Computer Vision Intern

Jan 2019 – Feb 2019

- Programmed a facial recognition system for the company to predict the user's gender, age, and facial expressions through Caffe, Keras, and OpenCV
- Optimized the response time (less than 1s) and the accuracy (about 75%) of the facial recognition system

AWARDS

- AI Hackathon Competition Honorable Mention
- Creative Software Applications Contest Honorable Mention
- Central District Programming Competition Honorable Mention
- ITSA Annual Collegiate Programming Contest Honorable Mention

SKILLS

Programming Language: C, C++, Python, Go, MATLAB, Java, HTML, CSS

Machine Learning: TensorFlow, Keras, OpenCV, PyTorch, Caffe

Database/Search Engine: MySQL, Kafka, ELK, MongoDB, Apache Cassandra

Operating Systems: Linux, Windows, Macintosh

CI/CD & Version Control: Docker, Airflow, Jenkins, Rancher, Git, Gerrit

Language: Mandarin (Native), English (Advanced) TOEFL: 100 (R:24, L:26, S:24, W:26) GRE: 320