

EDUCATION

Rice University

Master of Computer Science

Current GPA: 3.8/4.0

Houston, TX

Expected Dec 2022

National Chung Cheng University (CCU)

Bachelor of Science

Major: Computer Science and Information Engineering (CSIE)

Overall GPA: 3.8/4.3; GPA for last two years: 4.21/4.30; Ranking: 10/103

Received two Presidential Honor Awards

Chiayi, Taiwan

Jun 2019

Key Coursework: Algorithms, Data Structure, Object-Oriented Programming, Linear Algebra, Discrete Mathematics, Probability Theory, Statistics, Database Systems, Artificial Intelligence, Machine Learning, Tools and Models for Data Science

RESEARCH & WORK EXPERIENCE

Lutron Electronics

Software Engineer Intern

- Constructing a notification system (email, text, and push) with **GO** onto the **AWS** cloud services.

Philadelphia, PA

May 2022 – Present

Ucfunnel

Data Scientist

- Increased 41% of the ads' winning rate prediction and **tripled** the overall **ads' click-through rate** from 0.04% to 0.12% with **Python** and **GO** at the local workspace and the back-end DMP.
- 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**.
- Built an automated testing system to ensure all features extracted at local correspond to the online server.

Taipei, Taiwan

Sep 2020 – Jul 2021

Machine Vision and Learning Laboratory, CCU

Research Assistant

- AI City Challenge Project: Utilizing **Cycle GAN** to make the generator separately train five different directions of car motion via large datasets.

Chiayi, Taiwan

Sep 2017 – Jul 2019

Smart Living Technology Research Center, CCU

System Programmer

- Programmed and optimized a **facial verification system** for the National Intercollegiate Athletic Games (with about 7,500 competitors) using **Python** and **OpenCV**.

Chiayi, Taiwan

Sep 2018 – Apr 2019

Viscovery

Computer Vision Intern

- 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.

Taipei, Taiwan

Jan 2019 – Feb 2019

AWARDS

- AI Hackathon Competition Honorable Mention (Keras, PyTorch) (Team Leader)
- Creative Software Applications Contest Honorable Mention (MATLAB, Python)
- Central District Programming Competition Honorable Mention (C, C++) (Team Leader)
- ITSA Annual Collegiate Programming Contest Honorable Mention (C, C++)

SKILLS

Programming Language: C, C++, GO, Python, Java, MATLAB, HTML, CSS, JavaScript

Machine Learning: AWS, Keras, Pytorch, TensorFlow, OpenCV, Caffe, Hadoop, Spark

Database/Search Engine: SQL (MySQL, MongoDB, TSQL), Kafka, ELK, Apache Cassandra

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