

Summary

Proficient with Python, JavaScript, GO, and C/C++ for more than 6 years. Experienced in multiple software areas, including Frontend/Backend, Data Science, Machine Learning, Cloud Services, and Database Systems. Not afraid of being team leader to guide the team and possesses strong ability to manage senior-level relationships and cross-functional teams.

SKILLS

Programming Language: Python, JavaScript, GO, C/C++, GO, Java, MATLAB, HTML, CSS
Machine Learning: Keras, PyTorch, AWS, TensorFlow, OpenCV, Caffe, Hadoop, Spark
Database/Search Engine: SQL (MySQL, MongoDB, TSQL), Kafka, ELK, Apache Cassandra
CI/CD & Version Control: Git, Docker, Jenkins, Rancher, Airflow, Jira, Gerrit

RESEARCH & WORK EXPERIENCE

Qualcomm **San Diego CA**
Software Engineer (CAD Team) Feb 2023 – Present

- Design UI for IP information on internal SoC integration tools and write automation scripts with **JavaScript** and **Python**.

Lutron Electronics **Philadelphia PA**
Software Engineer Intern (Cloud Team) May 2022 – Aug 2022

- Constructed a multilingual supported notification system (email, text, and push) with **GO** and **Python** and deployed it to the **production AWS cloud service (with AWS Lambda, CDK)**.
- Encapsulated the whole notification system as a module so that all other services required to send notifications can easily access through API calls.

Ucfunnel **Taipei, Taiwan**
Data Scientist Sep 2020 – Jul 2021

- 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**.

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 **Python** and **OpenCV**.

Viscovery **Taipei, Taiwan**
Computer Vision Intern Jan 2019 – Feb 2019

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

EDUCATION

Rice University **Houston, TX**
Master of Computer Science Dec 2022
Overall GPA: 3.83/4.00

National Chung Cheng University (CCU) **Chiayi, Taiwan**
Bachelor of Science 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: 10/103
Received two Presidential Honor Awards

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++)

Leaderships & Service

❖ Head of Education at Feelings Guitar Club, CCU ❖ Head of Public Relations at CSIE Dept. Student Association, CCU