Email: kl72@rice.edu
Mobile: +1-516-428-9337

Lin, Kai-Po

Homepage: https://kblin1996.github.io
Github: https://github.com/KBLin1996

EDUCATION

Rice University   **Houston, TX**
Master of Computer Science   Expected Dec 2022
Current GPA: 3.8/4.0

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

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   **Philadelphia, PA**
Software Engineer Intern   May 2022 – Aug 2022
- Constructing an email notification system with GO onto the AWS cloud services

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 **Golang** 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

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

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