

Chieh Yu Cheng

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Motivation

In the duration of college, I found my passion for Computer Science, especially in software design, system programming and network programming. However, I still think that I am not good enough in this field. Thus, I desire to get a master degree and look for an internship in this summer. It will not only enrich myself, but also get me in-depth knowledge of computer science.

Education

National Tsing Hua University (NTHU)

Candidate for MS in Computer Science, GPA : 3.83/4.3

Hsinchu, Taiwan

Sep 2020 - Jul 2022

National Chung Cheng University (CCU)

BS in Computer Science and Information Engineering , GPA : 3.02/4.3

Chiayi, Taiwan

Sep 2016 - Jul 2020

Taipei Municipal Jianguo High School

Taipei, Taiwan

Projects

CCU AI-Barista

- Use self-defined ResNet101 regression model to predict the weight ratio of different particle size in the image of coffee powder
- Control robotic arm to brew coffee
- The 2019 TISCA Brewers Cup Contest -reach the semi-final

Chatroom

- Implement a multithreading chatroom in C
- With the functionalities of sending private messages and transferring files

T-Brain AI Competition

- Predict the house price using Random Forest and Xgboost
- Ranked in the top 29 percent in all teams

Stock Price Prediction

- Predict the stock price using Time Series Analysis Model (LSTM)

Scenery Classifier

- Use CNN model (VGG16) to classify sceneries
- Modify the model to increase the accuracy

Selected Courses

VLSI Physical Design Automation, FPGA Architecture & CAD, VLSI Design for Manufacturability
Introduction to VLSI System Design, Compiler Design, Assembly Language
Machine Learning, Multimedia, Numerical Analysis, Network Programming ,Database Systems

Skills

English Certification : TOEIC 725 (2016)

Programming :

- familiar with C , C++ , Java , Python , PyTorch , MYSQL
- experienced in MATLAB , QT5