

高長聖 Chang-Sheng Kao

I'm a junior from the Department of Computer Science and Information Engineering in National Taiwan University. I am interested in learning new things and enjoy taking on challenges. Last semester, I worked as a research assistant in charge of the English-learning website. Initially, I had no website development experience. However, after learning related techniques myself and reading abundant source code on the Internet, I have fulfilled my task pretty well. Such experience serves as a clear example of the application of my problem-solving skills and self-learning ability.



Taipei · TW

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Works & Experiences

Research Assistant, Ministry of Education project, 2020.2 - 2020.8

Help develop educational website "FreshmanEnglish".

1. Implement "recorder.js", fulfilling the online recorder on HTML5, and send the audio data to MySQL.
2. Set SDK environment and call Google cloud API "Speech to Text" on back-end.

TX auto-trading program, Introduction to Fintech final project, 2020.1

Build a model that automatically make decision of TX trading

1. Analyze daily and minutely TX trading records from 2011.1 to 2019.12
2. Try implementing "Genetic Algorithm" and "RNN" to train the model, best Dev result: return rate 2.7%.

Engineering team, NTU CSIE summer camp, 2019.7

Write a Pygame that can be controlled by four different programs in CSIE summer camp.

1. Implement "MVC + Event Manager" framework.
2. Work in view group, mostly making special effect and animations.

Skills

Machine Learning

1. PyTorch
2. CNN, RNN
3. Deep Q Learning

Front/Back-end

1. React.js, Angular.js
2. Express.js
3. SDK environment, Google API
4. MySQL

Linux server

1. Shell Script
2. DNS/DHCP server
3. Apache
4. Pfsense firewall

Development skills

1. MVC + Event Manager framework
2. Git, Github
3. HackMD

Programming

1. Data structures and algorithms
2. C/C++: STL library
3. Python: Pytorch, Pygame

Others

1. Language: Chinese, English
2. LaTeX, Microsoft Office

Education



Department of Computer Science and Information Engineering, National Taiwan University, 2018.9 - 2022.6 (expected)

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