

SHENG-WUN, LAI

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EDUCATION

M.S. in Computer and Communication Engineering National Cheng Kung University

📅 Sep. 2019 – Present 📍 Tainan, Taiwan
• GPA - 3.99/4.3

Department of Computer Science & Engineering Yuan Ze University

📅 Sep. 2014 – Jul. 2019 📍 Taoyuan, Taiwan
• GPA - 3.45/4.0

PROJECT

Image to Food Recipe - Recommendation System 2019/9-2020/1

- Utilize Transformer and ResNet to analyze food images and generate the ingredients and recipes.
- Analyze nutrition facts and calories.
- Recommend users a healthier food choice.

Wireless Footprint Monitor 2019/6-2019/12

- Analyze similarities of wireless signals between parents and children to prevent children from getting lost.
- Utilize RaspberryPi as an edge node to collect wireless signals.

Community Analysis System 2017/2-2017/9

- Utilize image classification model to identify objects and to analyze users' interests in the objects.
- Analyze similarities between users' interests according to their photos and range of activity.
- Use visualization tools to present analysis results.

Smart IoT 2016/9-2017/9

- Utilize Arduino and multiple sensors to capture information of a plant's living environment.
- Develop an Android application to monitor plants and control sensors.
- Analyze information to control plants' environmental factors and boost their growth.

EXPERIENCE

2020 IEEE ComSoc Student Competition

HONORARY MENTION CERTIFICATES

- Encourage communication engineering students to expand their knowledge and inspire innovation.

2019 Mobileheroes-聯網未來挑戰賽 FINALIST

- Combine smart devices and artificial intelligence development.

2019 經濟部搶鮮大賽- 創新實作類 FINALIST

- Promote innovative research and development held by Ministry of Economic Affairs.

STRENGTH

Programming

C++ (6 years experience. Mainly used)

Python (4 years experience. Mainly used)

Java (3 years experience)

Android

R

Machine Learning

TensorFlow

Keras

PyTorch

Scikit-learn

Pandas

Numpy

OS and IDEs

Linux

Jupyter Notebook

Visual Studio

Android Studio

Matlab