

# Yao-Yuan Hsu

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Attracting by the beauty of programming and having curiosity in many different fields. Desire to learn more knowledge and strengthen abilities.

## Skills

**Programming Language:** Proficient in C, Familiar with Python, R and C++

**Tools:** Git, Shell script

**Operating Systems:** Linux, Windows, MacOS

## Education

**National Sun Yat-sen University, M.Eng. in Computer Science and Engineering, 2021 ~ Present**

*Research: Machine learning, Linux system programming, and computer network*

- Machine learning: Convolution neural network, image classifier with Tensorflow
- Linux system programming: Small shell, signal handler with C
- Computer network: Subnet IP scanner, ARP detector/spoofers, and client/server with C

**National Taipei University, B.Eng. in Electrical Engineering — 2015 ~ 2020**

*Project: 3D SLAM for Instant Positioning and Map Construction*

- Using Linux as basic system to install ROS
- Using Kinect as sensor for building environment
- 2018 The fifth Conference on Information Technology Application — Honorable Mention
- Intramural competition — Second place

## Experience

**AI深度學習研習 — Jul 2019**

- Basic Python programming design
- Basic tools of data processing
- Basic concept of Tensorflow
- CNN of Tensorflow
- RNN of Tensorflow

## Club Experience

**Magic Club — Minister of finance, Sep 2017 ~ Sep 2018**

**Tainan Alumni Association — Club member, Sep 2016 ~ Sep 2017**