

SHAO-HUNG CHIU

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Homepage: <https://tomchiu5566.github.io/>

RESEARCH INTEREST

Hardware Architectures and Software Systems

EDUCATION

National Tsing Hua University

Undergraduate in Electrical Engineering

Advised by Prof. Jing-Jia Liu

September 2015 - Present

Major GPA: 4.18/4.3, Overall GPA: 3.98/4.3

WORK EXPERIENCE

ASPEED Technology Inc.

Internship

July 2018 - August 2018

- Advised by Dr. Darren Lu
- Deep Learning Application: Super Resolution
- Introduction of Efficient Inference Engine Design

BIIC Lab

Research Assistant

October 2017 - January 2018

- Advised by Prof. Chi-Chun Lee
- Human Behavioral Analysis
- Data Processing and Machine Learning

PROJECTS

Self-Driving Car using Raspberry Pi

Ongoing

- Lane Following & Positioning: Computer Vision
- MQTT-SN with XBEE S2C: Wireless Communication
- Traffic Sign Recognition: Deep Learning

DSP Lab: Coin Detection

- Image Processing
- Establish Pipeline and Devise Algorithms with cv2

RELEVANT COURSES

Core Courses

Computer Architecture
Operating Systems
Algorithms
Digital Systems Design (ongoing)
Microprocessor Systems (ongoing)

Other Courses

Data Structures
Intro. to Computer Network
DSP Lab.
Logic Design Lab.
Intro. to ML (ongoing)

SKILLS

Language	English, Chinese (Native)
Programming Languages	C/C++, Python, MATLAB
Engineering Tools	Verilog
Deep Learning Framework	Tensorflow, PyTorch, Caffe

EXTRA-CIRRICULAR

Percussion in NTHU Wind Club, attending two Tour Concerts

Drums in Pop Music Club

Teaching Unit in NTHU EE English Camp, focusing on tutorials of C programming & Arduino