SHAO-HUNG CHIU

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RESEARCH INTEREST

Computer Architectures and Software Systems

EDUCATION

Carnegie Mellon University   *August 2019 - Present*
Master's Program in Electrical and Computer Engineering

National Tsing Hua University   *September 2015 - January 2019*
Undergraduate in Electrical Engineering   Major GPA: 4.19/4.3, Overall GPA: 4.0/4.3
Advised by Prof. Mi-Chang Chang

WORK EXPERIENCE

ASPEED Technology Inc.   July 2018 - August 2018
Intern

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

BIIC Lab   October 2017 - January 2018
Research Assistant

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

PROJECTS

Self-Driving Car using Raspberry Pi

· Advised by Prof. Jing-Jia Liu
· Computer Vision: Lane Following & Positioning
· Wireless Communication: XBEE S2C
· Sign Recognition: MobileNet

DSP Lab: Coin Detection

· Image Processing
· Establish Pipeline and Devise Algorithms with cv2

RELEVANT COURSES

Core Courses	**Other Courses**
Computer Architecture	Data Structures
Operating Systems	Intro. to Computer Network
Algorithms	DSP Lab.
Digital Systems Design	Logic Design Lab.
Microprocessor Systems	Intro. to ML

SKILLS

Language	English (TOEFL 105), Chinese (Native)
Programming Languages	C, Python, MATLAB
Engineering Tools	Verilog