

CHI-LIANG LIU

National Taiwan University

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Education

National Taiwan University (NTU)

B.S Department of Electrical Engineering

- Expected Graduate in 3 years

Taipei, Taiwan

Sep 2015-Expected Jun 2018

National Taiwan University (NTU)

M.S Graduate Institute of Communication Engineering

- Admitted

Taipei, Taiwan

Expected Sep 2018

Experience

National Taiwan University, Digital Speech Processing Laboratory

Undergraduate Student

- Question Answering (Chinese & English)

Taipei, Taiwan

2017-Present

National Taiwan University, Machine Learning Course

Teaching Assistant

- FINAL PROJECT
- Assist 352 students

Taipei, Taiwan

2017FALL

Skills

Programming Language

Python, C++, Verilog, Shell Script

Frameworks and tools

Pytorch, NLTK, git

Knowledge

Deep Learning, Machine Learning, Data Structure, Algorithm

Environment

macOS, Linux

Projects

Functional Reduced AIG and Simulation algorithm for AIGs in C++

- Read AIG format circuit, simulate the circuit and reduce the reductant gate.

Jan 2017

A Safer Campus: automatic detecting climbing wall

- Cooperate with Taipei Government
- Improved Taipei Elementary schools campus safe.
- Reducing 95% false alarm of existing alarm systems with less than NT100 per day.

Jun 2017

TensorFlow Speech Recognition Challenge on Raspberry Pi 3

- Improved speech recognition on the wearable device
- Run in less than 200ms on a stock Raspberry Pi 3.
- Accuracy about 95% on testing data with 173kbytes model.

Dec 2017

Neuron Network Accelerator on FPGA

- Compute CNN on FPGA
- Do the real time object detect on FPGA

Jan 2018

Chinese Question Answering

- Answer the question on a set of Wikipedia articles
- The 1st research on the Chinese QA dataset in the world.

Jan 2018