

Hanzhang Liu

☎ (+86) 13206312766 | ✉ hanzhangliu@foxmail.com | 🏠 liuhanzhang.github.io

Education

University of Electronic Science and Technology of China (UESTC)

B.S. IN COMMUNICATION ENGINEERING (YINGCAI HONORS COLLEGE)

- GPA: 3.98 / 4.0, Avg. Score: 90.45 / 100, Rank: 10 / 178

Chengdu, China

Sept. 2017 - Present

Projects

Object Detection

ADVISED BY PROF. WEN LI, AT DATA INTELLIGENCE GROUP, UESTC

- Learn object detection algorithms and implement YOLOv3 on COCO dataset.

Chengdu, China

Sept. 2019 - Mar. 2020

Dual-frequency Ultrasound Gesture Recognition System

ADVISED BY PROF. CHANG WU, COURSE PROJECT FOR DIGITAL SIGNAL PROCESSING

- Process audio signal to obtain feature sequences.
- Classify gestures based on kNN.

Chengdu, China

Dec. 2019

Micro Control Unit (MCU) Design

ADVISED BY PROF. JIANHAO HU, COURSE PROJECT FOR DIGITAL DESIGN AND MCU SYSTEM

- Develop a 6 stage pipeline, superscalar MCU that performs sorting and matrix multiplication algorithm on Xilinx A7.
- Design a vectorized sorting algorithm that is suitable for superscalar microarchitecture.
- Create a compact instruction set.
- Design datapath and control unit and cope with hazards.

Chengdu, China

May 2019 - July 2019

Skills

Programming Language Python, MATLAB, C, C++, Verilog

Deep Learning Framework PyTorch

Honors & Awards

2018 **University Scholarship**

2019 **University Scholarship**

Chengdu, China

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