

Hang Zhou

zhou_hang@berkeley.edu | hendrickzhou.github.io | github.com/HendrickZhou | (510) 387-4585

PERSONAL STATEMENT

Stay hungry to various fields of EE&CS, Great enthusiasm in building things with my laptop. Experienced in hardware, software design, data science and computer vision. Seeking for opportunity in research during the precious time in UC Berkeley.

RESEARCH INTERSECT

Open mind for extensive research areas.

More interest in Data Science, Audio/Image signal processing, Computer Vision, Machine Learning, Data science application in power grid, Robotics, Human Machine Interfacing.

EDUCATION

9/2016 - 1/2019 (Expected graduation: June 2020)

Southeast University | Nan Jing, China | Undergraduate

Major : Electrical Engineering

Cumulative GPA : 3.38

1/2019 - Present

UC Berkeley | Berkeley, US | BGA international

Courses : EE123, EE122

PROJECTS

- Build a computer vision algorithm for object detection task in a [robotics competition](#) held by [DJI](#). This big project is finished by a group of five in half the year from the scratch. I was in charge of the development of core detection solution based on OpenCV. ([Github Link](#))
- Write an audio analysis python project (Music classifier). Extract the features of electronic music, predict the music type using a simple DNN trained by the dataset from Kaggle. ([Github Link](#))
- Lead a web-based deep learning project on electrical device. Diagnose malfunction type and predict the status from data of in-device sensor. I developed the prototype before I went to Berkeley. ([Github Link](#))
- Other projects:
 - User clustering using K-mean implemented by Matlab
 - Course labs from EE123
 - Apple detection on agricultural robot based on Python
 - Full stack personal website
 - Taxi Fare Calculator based on FPGA

TECHNICAL SKILLS

Language/package/framework:

- Competent: Python (scientific computation packages), C, C++, Matlab, OpenCV
- Experience: Verilog, RISC-V, Keras, Tensorflow

Technologies:

- Proficient: Unix, Git
- Experience: Compiler

Others:

- Experience: html, css, javascript, Django

AWARDS

- Vision Algorithm Open Source Prize in Robomaster2018 (\$4,000 to our team) | 2018/9
- Third Prize of National Robomaster Competition | 2018/7