

Zhenghao (Lucas) Dai

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<https://github.com/bigwisdomdai>

SKILLS

C++ • Python • Java • HTML/CSS • Javascript(jquery) • SQL • Git

Raspberry Pi • Arduino

Mandarin & English

EDUCATION

University of Southern California

Sep 2018 - May 2022

Bachelor Computer Engineering & Computer Science (CECS) major

Los Angeles, CA

- GPA: 3.42
- Member of Chinese Students and Scholars Association (CSSA), Department of External Affairs. A specialist in the school's Department of Public Safety (DPS) . Weekly communicate with DPS. Pass the voice of Chinese students to DPS.
- Member of Habitat for Humanity, USC Chapter.
- Member of USC ACM
- Member of USC IEEE
- Student worker - Student Affairs

Malden Catholic High School

Jan 2016 - May 2018

High School Diploma

Malden, MA

- GPA: 4.97 / 4.3 (Weighted)
- Honors/Awards: Member of National Honor Society, AP Scholar with Honors, New England Math League Highest School Score Award, Headmaster Scholar.
- Clubs: VP of Crystal 99 (Student Newspaper), Programming team leader of Robotics Club, Habitat for Humanity, Math Team, Chemistry Club.

WORK EXPERIENCE

USC Robotic Embedded Systems Laboratory

Oct 2019 - Present

Student Worker(Research Assistant)

- Help with development of the Crazyswarm platform for multi-quadrotor robotics research.
- Onboard control software (32-bit microcontroller, embedded C) and base station coordination/scripting software (PC, C++ and Python).

Zhejiang Guozi Robot Technology Co., Ltd.

Jun 2019 - Aug 2019

Software Development Engineer Intern

Hangzhou, China

- Used Python and PostgreSQL to develop a Pick-to-light(PTL) control software with GUI for Staples' warehouse
- Worked with API to improve PTL software efficiency from 300 pieces per hour to over 600 pieces per hour

Hangzhou MiaoShou Robot Technology Co., Ltd.

Jul 2017 - Aug 2018

Engineering Technical Writer

Hangzhou, China

- Assisted the engineering team in creating a powerpoint presentation which explained a newly developed laparoscopic robotic arm. This presentation helped to earn the firm national recognition and government funding to produce this surgical robotic arm.