

KAREN FANN

SOFTWARE ENGINEER

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EXPERIENCE

2017 - Present

The Coding School

Programming Instructor/Webmaster

- Lead weekly Unity 3D game development programming class of approximately 15 students at Culver City Middle School
- Developing new website to expand and include online teaching portal

2017 - Present

Design for America at UCLA

Tech Director

- Developing and maintaining organization's website using HTML/CSS and Git
- Leveraging design and technology to innovate a high-solution solution for LA's public transportation issues

2016 - Present

Institute of Electrical and Electronics Engineers

General Board Member

- Organizing workshop to inform club members and UCLA students of internship opportunities
- Designed and developed personal website using HTML/CSS and pushed to Github

2015 - 2016

United Sciences Club

President

- Revamped club operations, increasing participation by 100%
- Forged relations with competitive science team leaders to provide \$2000 in sponsorship
- Coordinated with board and school administration to host annual Science Field Day for over 500 local middle school students

EDUCATION

2016 - 2020

B.S. Computer Science and Engineering

University of California, Los Angeles

GPA: 3.8/4

- Introduction to Computer Science I/II
- Introduction to Computer Systems
- Introduction to Computer Science Using Python

2012 - 2016

Mark Keppel High School, Alhambra

- Top 1% of class

PROJECTS

2015 - 2016

Electric Vehicle

Engineer/Programmer

- Designed and developed automatic electric vehicle capable of traveling to a target point to within 0.5% accuracy
- Programmed Arduino using C++ to efficiently apply acceleration and deceleration profiles to bipolar stepper motor, ESC, and RC motor

2016

NASA Space Apps Challenge

Programmer

- Researched data generated by NASA flight tests and NASA noise laboratories to develop cohesive education GUI application
- Programmed Intel Edison using Java to create light visualization comparing low booms versus sonic booms

SKILLS

C++, Python, HTML, CSS