KAREN FANN

SOFTWARE ENGINEER

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EXPERIENCE

2017 - Present
The Coding School
Programming Instructor
- Lead weekly programming class of approximately 15 students at Culver City Middle School
- Teach students Unity 3D game development curriculum and basic programming concepts

2016 - Present
Institute of Electrical and Electronics Engineers
General Board Member
- Designed and developed personal website using HTML/CSS and jQuery 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

2014 - 2016
Science Olympiad
Captain
- Captained team of 20 to regional and state tournaments
- Managed team finances and coordinated sponsorship with United Sciences Club
- Competed and placed in EE/CS, geology, thermodynamics, and science writing events

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 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