

KAREN FANN

SOFTWARE ENGINEER

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EXPERIENCE

2017 - Present

ACM DevX

Front-End Developer

- Collaborating with team of developers and designers to create a dating website
- Developing front-end using HTML/CSS, jQuery
- Building semantic templates using Handlebars to display parsed user information

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-impact solution for LA's public transportation issues

2017 - Present

The Coding School

Programming Instructor

- Lead weekly programming class of approximately 15 students at Culver City Middle School
- Teach Unity 3D Game Development curriculum and basic programming concepts

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 (C++)
- Introduction to Computer Systems (C, Linux)

2012 - 2016

Mark Keppel High School, Alhambra

- Top 1% of class

PROJECTS

Bruin Navigation System

C++

- Implemented binary search trees, maps and A* algorithm to search and reconstruct optimal path between start and destination

Bugs! Simulation

C++

- Developed graphical ant simulation and programming competition platform using object-oriented programming and polymorphism

Electric Vehicle

C++, Arduino

- Built electric vehicle capable of traveling to a target point with 99.5% accuracy
- Programmed Arduino using C++ to efficiently apply acceleration and deceleration profiles to bipolar stepper motor, ESC, and RC motor

SKILLS

Languages: C++, Python, HTML, CSS

Tools: Git, XCode, Bootstrap, Arduino, jQuery