KAREN FANN

SOFTWARE DEVELOPER

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EXPERIENCE

June 2017 - Present
Response Two
Software Developer Intern
- Build cross-platform desktop app for document parsing and instant search using Electron
- Write MySQL database queries to programmatically update user information and optimize search speed
- Implement UI changes and features using AngularJS

April 2017 - Present
Bruin Meet
Front-End Developer and Designer
- Design and develop UI for UCLA-exclusive matchmaking application using HTML/CSS, jQuery and Bootstrap
- Integrate front-end with back-end APIs using jQuery Ajax and Handlebars semantic templating

LEADERSHIP

June 2017 - Present
UCLA DevX
Finance Officer
- Establish and control all finance and accounting systems
- Collaborate with External chair to organize and obtain external corporate sponsorship

January 2017 - Present
The Coding School
Programming Instructor
- Lead weekly programming class of approximately 15 students at Culver City MS
- Teach Unity 3D Game Development curriculum and basic programming concepts

EDUCATION

2016 - 2020
B.S. Computer Science and Engineering
University of California, Los Angeles
GPA: 3.5/4
- Introduction to Computer Science I/II (C++)
- Computer Organization (C, Linux)

PROJECTS

FlixBot
Javascript
- Chatbot built with Node.js, and designed to help groups decide the best movie to watch

ChatCAT
Javascript
- Realtime chat application built with Node.js, Express.js and MongoDB

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

SKILLS

Languages: C++, Python, HTML, CSS, Javascript

Libraries and Frameworks: Bootstrap, jQuery, Node.js

Tools: Git, Arduino, Xcode, macOS, Illustrator