

# KAREN FANN

## SOFTWARE DEVELOPER

Los Angeles, CA

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## EXPERIENCE

June 2017 - September 2017

### Response Two

#### Software Developer Intern

- Built cross-platform desktop app for document parsing and instant search using Electron
- Wrote MySQL database queries to programmatically update user information and optimize search speed
- Utilized AWS-SDK and Stripe API to implement procedures for in-app notifications and user payment subscriptions

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
- Perform backend integration 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

### Chat Cat

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, React.js

**Software:** Git, Arduino, Xcode, macOS, Illustrator, Heroku, MySQL