

KAREN FANN

SOFTWARE DEVELOPER

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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

Full-Stack Developer and Designer

- Develop UI for UCLA-exclusive dating app with React.js (previously HTML/CSS, jQuery, and Handlebars)
- Design and implement APIs to execute matchmaking algorithm and relay user information using Node.js and Redux

LEADERSHIP

June 2017 - Present

UCLA DevX

Finance Officer

- Establish and control all finance/accounting systems
- Collaborate with External chair to organize and obtain external corporate sponsorship

January 2017 - April 2017

The Coding School

Programming Instructor

- Led weekly programming class of approximately 15 students at Culver City MS
- Taught 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, Linux, AWS