Eric Zhang

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Education

University of California, Los Angeles **Expected Graduation: Jun 2020**

B.S. Mathematics of Computation (GPA: 3.3)

- Computer Science Classes: Object Oriented Programming, Data Structures and Algorithms, Operating Systems, Software Construction Lab

Languages and Technologies

- C++, C, Python, Java, JavaScript, HTML, CSS, Verilog
- Linux, Node.js, React, MongoDB, Arduino

Experience

Web Developer - Campus Events Commission **Apr 2018 - Present**

- Currently implementing a blog post page where descriptions of events are posted
- Campus event website stack uses React, Node.js, MongoDB, Keystone

IT Intern - Signosis (Biotech Company) **Sept 2017 – Mar 2018**

- Keeping company website (programmed in PHP) up to date and managing the database to accurately display the types of research kits being sold

Web Developer - Poasis **Apr 2017 – Jun 2017**

- Implemented client-side communication to backend with SQL and PHP in new webpage that refers buyers to parking spot owners

Projects

Go - Personal Summer Project

- Implemented the classic two-player game in C++
- Utilizing object-oriented programming, data structures, and algorithms

Diet Tracker - ACM Hackathon

- Created mobile app that allows students to track what they eat at UCLA dining halls
- Used React Native framework for frontend and MongoDB to store the logged data

Mesh - LA Hacks 2017

- Event web app that allows users to format an event schedule for attendants
- Coded in HTML, CSS, JavaScript

Reddit Bot - Personal Project

- Coded Python script using Reddit API (PRAW) to scrape r/listentothis for new music pertaining to certain genres and generate a list with YouTube links

Line Following Car - Class Final Project

- Worked in a group where designated task was to program Arduino Nano
- Programmed path following algorithm using the Arduino language

Activities

ACM (Active Member)

- Attend weekly workshops with various topics such as AI, JavaScript, etc.

IEEE (Involved in OPS Project)

- Project: Currently programming RC car (Arduino Nano) that uses a PCB designed in EAGLE and is controlled by tilting an IMU sensor