

Johnathan Zhou

Enthusiastic and ambitious student developer with two years of software and full stack web development experience.

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EDUCATION

Bachelor of Arts, Computer Science

University of California, Berkeley

08/2016 – 05/2020

Courses:

- Data Structures
- Linear Algebra & Differential Equations
- Structure and Interpretation of Computer Programs
- Systems Design I

WORK EXPERIENCE

Course Co-Instructor

University of California, Berkeley

01/2018 – Present

Berkeley, CA

Achievements/Tasks

- Work with other instructors and teaching assistants to develop curriculum for DESINV 98: Introduction to Web Development.
- Teach 50+ students the basics of web development in CSS, HTML, and JavaScript.
- Developed supplementary lectures on topics such as ranked social media feeds, blockchain, and more.

Software Engineer Intern

Antigravity Investments

10/2017 – 12/2017

Berkeley, CA

Achievements/Tasks

- Architected RESTful API to receive live market data from Zipline Live and manage creation/manipulation of user data.
- Led development of client dashboard by integrating new Hyperapp frontend with Flask backend and working with Trade It API.

Full Stack Developer

Codelancer

06/2017 – 09/2017

San Francisco, CA

Achievements/Tasks

- Refactored Node.js backend utilizing ES6 promises to optimize codebase, decreasing bug lookup time by over 50%.
- Initiated and led development of company website, hosting on Heroku. [🔗](#)
- Designed, developed, and hosted enterprise ready applications for small businesses and startups.

SKILLS

Java

Javascript

Python

SQL

React.js

React Native

Node.js

MongoDB

Firebase

HTML/CSS

Webpack

Ruby

Flask

PERSONAL PROJECTS

Collaborative Text Editor (07/2017 – 08/2017)

- Text editor app built using Electron capable of document sharing, real-time editing, and multi-user collaboration.
- Implemented real time collaboration with shared cursor highlighting using WebSockets.
- Built a RESTful backend Web Server API that allowed for both server-side and client-side WebSockets.

Slack Calendar Assistant (08/2017 – 08/2017)

- Built intelligent Slack bot that allows for the creation of Google Calendar invites/reminders using natural language queries - trained API.AI's machine learning model to optimize bot's language interface.
- Architected interactive process for statefully managing multi-step chat interactions such as scheduling conflicts, cancellations, and confirmations.
- Used Slack's Real-time & Interactive Messaging API to facilitate in-app meeting and reminder creation.

Screenwired (07/2017 – 09/2017)

- Automated phone repair website that sends a car to a client's house to deliver the phone to a phone repair shop.
- Utilized Postmates, UberRush, and Stripe API to create a seamless pickup/delivery/payment flow.
- Wrote geolocation algorithm to automatically determine the closest store to a client's house.

Functional SQL Database (10/2017 – 11/2017)

- Built a functional SQL database manager capable of handling define statements, load/store/drop of tables/table operations as well as table comparisons and conditionals.
- Implemented parser for commands to simulate real SQL sessions.