Johnathan Zhou

Motivated and diligent computer science student with 2 years of software and full stack web development experience.

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WORK EXPERIENCE

Course Co-Instructor
University of California, Berkeley

01/2018 – Present   *Berkeley, CA*

Achievements/Tasks

- Work with other co-instructors to develop curriculum for DESINV 98: Introduction to Web Development.
- Teach 50+ students the basics of web development in Javascript, CSS, HTML, and different frameworks.

Software Engineer Intern
Antigravity Investments

10/2017 – 12/2017

Achievements/Tasks

- Developed RESTful API server for web app to post to and receive live market data using Zipline Live.
- Led development of client dashboard by writing SQLite queries and integrating Trade It API.

Full Stack Developer
Codelancer

06/2017 – 09/2017   *San Francisco, CA*

Achievements/Tasks

- Designed, developed and hosted enterprise-ready Express apps for small businesses and startups.
- Accelerated development process by 200% by managing quality communication with clients & contractors, ensuring proper design, function, and scalability.
- Initiated and led development of company website (thecodelancer.com), hosting on Heroku.

EDUCATION

Bachelor of Arts, Computer Science
University of California, Berkeley

08/2016 – 05/2020   *GPA: 3.39*

Courses:

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

SKILLS

Java · Javascript · Python · Ruby · SQL

React.js · React Native · Node.js · MongoDB

Firebase · HTML/CSS · Tensorflow · Webpack

PERSONAL PROJECTS

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

Collaborative Text Editor (07/2017 – 08/2017)
- Desktop app built using Electron capable of doc 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)
- Contract web app for a phone repair company: clients can put in their issue details and an Uber will be called to the client to deliver their phone to the store and deliver back when repaired
- 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