ZHUOWEI ZHANG

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EDUCATION

Syracuse University (GPA: 3.33/4.0)   Syracuse, NY
Master of Science in Computer Science   *Feb 2021 – Dec 2022 (Anticipated)*
University of Southern California   Los Angeles, CA
Bachelor of Science in Computer Science   *Aug 2016 – Dec 2020*

SOFTWARE DEVELOPMENT EXPERIENCE

JustMove, Software Development Engineer Intern, Los Angeles, CA   *Jun – Aug 2020*
JustMove is a start-up providing one-stop services for moving and relocations

- Built a fully-fledged widget component insertable into business partners' websites that directly resulted in initial customer acquisitions using React.js and Redux
- Developed UI/UX features for client web portal using React.js, Material-UI, Stripe.js and Google Maps APIs
- Implemented server-side APIs with an Apollo GraphQL server in Javascript
- Contributed to the company product roadmap brainstorming and requirement documents

IDK Technologies, Software Development Engineer Intern, Los Angeles, CA   *May – Aug 2019*
IDK is a start-up focused on food and restaurant discovery and personalization

- Designed and engineered a mobile app with React Native and Google Maps APIs. Gained over 3000 downloads with rating of 4.6 out of 5 on the App Store
- Refined the server-side resolvers for client-side app and business-side web portal using node.js, Apollo GraphQL, and React. Reduced async request response time by 50%
- Collaborated with the CTO, crafted and maintained an in-house PostgreSQL database and migrated over 3000 data entries

PROJECTS

Uzespace   *Feb – Jun 2018*
A full-stack storage space sharing web app on Node.js

- Founded and managed a full-stack website (uzespace.com) using the MEAN (MongoDB, Express, Angular.js, Node.js) stack for both backend models and frontend scripts (HTML, Bootstrap)
- Implemented authentication (Passport.js), online payment (PayPal API), image storage/retrieval (AWS S3), email verification and promo-code systems
- Oversaw product planning and customer acquisition. Executed marketing campaigns on college students

DoiTogether   *Nov 2018 – Present*
A collaborative self-improvement iOS app on Swift

- Developed and deployed a Java servlet powered backend on Google Cloud Platform for data parsing
- Worked with Firebase APIs and Alamofire library for features including authentication, object storage and push notifications
- Distributed at Apple Appstore with a 4.3/5 rating and dozens of weekly exposures to real users.

TrojanMingle   *Oct – Dec 2018*
A full-stack dating web app based on Java and JSP

- Designed and coded front-end UI using HTML Bootstrap. Constructed the backend Java servlets connecting a MySQL database and front-end JSP. Tested HTTP requests through Postman.
- Created a multi-threading server module for real-time notifications using Java. Applied data structures including stack, hash map, array list.
- Collaborated with business side teammates, explained technical concepts, wrote up documentations.
- Received a highest overall project score (presentation + technical) in the end of semester for the course.

EXTRACURRICULARS

USC Underwater Autonomous Vehicle Club   *Sept 2017 – Spring 2019*

- Extracted and parsed data from sensors for analysis with utility scripts using Python
- Improved efficiency of an open-sourced image data annotation software for customized in-house usage
- Developed programs using ROS (Robotics Operating System) and Rviz in C++. Wrote 3D simulations with C# on Unity3

SKILLS

- Programming: C/C++, Swift, Java, HTML, CSS, SQL, JavaScript, Python, Node.js, React.js, React Native, MATLAB
- Tools: MongoDB, MySQL, PostgreSQL, AWS, Firebase, Google Cloud Platform, Heroku