

ZHUOWEI ZHANG

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EDUCATION

Syracuse University

Master of Science in Computer Science

Syracuse, NY

Feb 2021 – Present

University of Southern California

Bachelor of Science in Computer Science

Los Angeles, CA

Aug 2016 – Dec 2020

EXPERIENCE

JustMove, Software Development Engineer Intern, Los Angeles, CA

Jun 2020 – Sep 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

Jun – Aug 2019

IDK is a start-up on food and restaurant discovery and personalization

- Designed and engineered a mobile app with React Native and third-party APIs. Gained over 3000 downloads with rating of 4.6 out of 5 on the App Store
- Refined the server-side resolvers and partner's web portal using node.js, Apollo GraphQL, and React that reduced async request response time by 50%
- Worked closely with the manager on crafting and maintaining an in-house PostgreSQL database and migrated over 3000 data entries

Polymorphic Robotics Lab of USC, Research Assistant

Fall 2019

- Maintained a C++ simulation environment using Unreal engine
- Designed and programmed a six-axis robotic arm that can execute tasks on touch screens
- Ran simulations of self-reconfiguration robot controls and movement

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 APIs including Firebase, and Alamofire for authentication, object storage and notifications

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++. Created 3D simulations with C# on Unity3D

AthenaHacks, Student Mentor

Spring 2019

- Guided teams with technology stack trade-offs and system designs based on their ideas
- Assisted with debugging and troubleshooting on Swift on iOS, Google Cloud Platform, and React.js

SKILLS

- Programming: C/C++, Swift, Java, HTML, CSS, SQL, Javascript, Python, Node.js, React Native, Matlab
- Frameworks: MongoDB, MySQL, PostgreSQL, Amazon AWS, Firebase, Google Cloud Platform, Heroku