

# Hansheng Zhao

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## Technical Skills

**Languages and Frameworks:** Javascript, HTML, CSS, Ruby, NodeJs, ExpressJS, ReactJS, AngularJs, JQuery

**Databases and ORMs:** MongoDB, Mongoose, mLab, MySQL, SQLite, Sequelize

**Tools:** Git, GitHub, Webpack, Mocha/Chai, Gulp, Grunt, ESLint, PubNub/Socket.IO, Karma, Travis, MomentJS

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## Software Engineering Applications

**Automated Attendance, Software Engineer** | Mysql, Express, React, Node, MailGun, Cloudinary, Kairos

*Facial recognition based automated attendance system for tracking daily arrivals-*[automatedattendance.herokuapp.com](https://automatedattendance.herokuapp.com)

- Devised thorough client-side tests to ensure project reliability, using travis have continuous integration tests
- Synchronized time related data across the stack using MomentJS to provide universal time zone compatibility
- Designed relational database schema in MySQL, to optimize so there are no duplicates of data
- Refactored back end code to improve modularity and clarity to optimize reuse and expandability
- Leveraged Mailgun's API and designed a Cron algorithm to send appropriate timed notifications
- Devised server-side API using Express proxy server coupled with Cloudinary API to keep track of photos

**Amazing Race, Software Engineer** | MERN, Pubnub, WebRTC, Google Maps, Cloud Vision

*Real time social racing app with photo recognition*

- Iterated on a previous codebase to provide multiple users in real time with PubNub
- Migrated web application to mobile using the Grid system in Bootstrap and Flexbox
- Leveraged Publish-Subscribe sockets to synchronize real time Google Maps rendering of multiple participants
- Implemented real-time P2P connection for multiple simultaneous user while stabilizing HTML geolocation

**Quoted, Software Engineer** | Mongo, Express, React, Node, AWS, Twilio, WebRTC, Yelp

*Connecting users with business for quick response*

- Applied Twilio text/phone capabilities to mass send user recorded text messages/phone calls.
- Scraped local business data into a MongoDB database using Yelp API specific to location and category
- Integrated user authentication using Bcrypt and persisted user data across all user visits

**WorkIt, Software Engineer** | Mongo, Express, React, Node

*Workout generator based on inputs*

- Leveraged React components to display new data upon filterings data dynamically with selected options
  - Increased app capability by redesigning to non-relational database and converted database to use MongoDB
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## Experience

**Bigge Crane and Rigging Co.** | Market Analyst

2016

- Analyzed data-oriented market to assist in creating better overall user experience
  - Leveraged user data to design better user interface and improve user experience
  - Worked with Salesforce application development specialists, regarding campaign data management
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## Education

**Hack Reactor**, *Advanced Software Engineering Immersive Program*

2017

**University of California, Riverside**, *B.A. in Economics*

2015

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## Personal

Skilled at writing elegant, concise, modular code. Outdoor adventurer, competitive athlete, and personal fitness enthusiast.