
Technical Skills

Strong: JavaScript (ES6), HTML5, CSS3, React, jQuery, Node/Express, SQL, MongoDB, Mocha, Git, Heroku

Experienced: Redux, Webpack, Redis, Angular, Backbone, Docker, Jest, AWS, Travis CI, OAuth 2.0, HTTP

Software Engineering Projects

Deepscan | <https://blooming-bastion-45200.herokuapp.com>

Computer vision multiple-choice exam reader built on React/Node/MongoDB/Python

- Integrated Redux to simplify application state management while navigating components via React-Router
- Established user profile system with Passport to implement secure sessions and persist user's scanned exams
- Orchestrated database with MongoDB/Mongoose to take advantage of unstructured data for exam schema

ConcertMate | <https://concertmate.herokuapp.com>

Concert-previewing app built with React/Node/MySQL

- Established authentication and dynamic in-app audio playlist with Spotify Web API
- Stored data from the Songkick API via Express and Sequelize to avoid throttling and improve performance
- Built multiple front-end views with React to re-render views in response to user input

Trip Valet | www.tripvalet.me

Trip planning platform developed on React/Node/PostgreSQL

- Created responsive availability calendar, confirmation table, and chat room components with React, Socket.io, and Material UI to facilitate real-time, persistent interactions between users
- Designed and managed database with Bookshelf/Knex for table associations and to utilize migration/rollback functionality
- Deployed to DigitalOcean via Docker to containerize services and improve scalability
- Used Grunt to package Mocha and Jest into a comprehensive automated testing suite on Travis CI

Ferret Biz | <https://wolfpackv3.herokuapp.com>

Bulk-buying coordination application based on React/Node/MySQL

- Implemented a responsive, persistent, real-time chat feature with Socket.io and Sequelize
 - Added comprehensive testing suite across all application components utilizing Mocha, Enzyme, and Supertest
 - Configured Travis CI into team workflow for streamlined testing and auto-deploy to Heroku
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Professional Experience

USA Fleet Solutions, Developer | Remote 2018

- Developed an API integration between myGeotab and DudeSolutions on Node.js and MySQL to provide clients with a customized device data feed
- Provided bulk upload tools to streamline in-house operation processes and increase productivity

Smart Study Tutors, Instructor | Northern California Region 2017-

- Taught test preparation classes and provided tutoring for first-generation bound high school and middle school students 2018

EIC Education, Central Academy Instructor | Shanghai, China 2015-

- Taught over 1000 hours of preparatory classes for college entrance exams to over 60 Chinese students bound for top-30 U.S. universities 2016
 - Collaborated with the counseling team to improve student scores by an average of 25%
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Education

Hack Reactor | *Advanced Software Engineering Program* 2017

University of California Berkeley | *B.A. in Anthropology* 2009-2013