TODD IVEY

SOFTWARE ENGINEER

865-765-3308 | Chicago, IL | linkedin.com/in/todd-ivey/ | github.com/toddivey | toddivey@gmail.com

SKILLS

Full stack web application development using RESTful architecture and Agile development processes. Knowledgeable in JavaScript, NodeJS, React, React Native, Redux, Google Firebase, Express, Sequelize, Webpack, NPM, Postgres, SQL, Jasmine, Mocha, Chrome Extensions, Handtrack.js, HTML5, and CSS3. Git workflow executed through feature-based branching.

EDUCATION

SOFTWARE DEVELOPMENT BOOTCAMP
Fullstack Academy
2019

B.S. // AEROSPACE ADMINISTRATION
Middle Tennessee State University
2007-2011

PRIOR WORK HISTORY

Management of the airfield at two commercial airports. Responsibilities included but not limited to inspection of airfield for debris, first response to emergencies, snow removal coordination, condition reporting, and office responsibilities.

AIRPORT OPERATIONS SUPERVISOR
Chicago-Midway International Airport
2016-2019

AIRPORT OPERATIONS OFFICER
Greenville-Spartanburg International Airport
2011-2016

PROJECTS

Pop 'n Spots / popnspots.com
May 2019
Chicago

Web app built by a team of four over two weeks that provides the user a visual representation of current popular times of various businesses.

- Application built with React, Redux, Google Maps API, and GeoHasher for the front-end with Google's Firebase Cloud Platform and Apify for the back-end.

- Individual contributions include building Firebase real-time database with over 10,000 points of data, developed algorithm to create relationships in a non-relational database, created redux stores for state management, and primary testing and debugging.

graceHOPper / gracehopper-abmt.herokuapp.com
April 2019
Chicago

E-commerce single page web site selling over a thousand products.
- Built in a week by a team of four using React, Redux, Express, and Sequelize.

- Individual contributions include the full stack of category filtering and persistent checkout component that enables the user to retain their cart until checkout, calculate price based on updated quantity, and capture the price bought at for past-order lookup. Created admin middleware that would check if user had certain rights based on the information in the database.

Chrome Force Controls / github.com/toddivey/Chrome_ForceControls
April 2019
Chicago

Motion control web browsing for Chrome.
- Solo project built over a five-day sprint using Handtrack.js, Tensorflow, and Chrome Extensions.

- Allowed for browser control through motions detected by the user's webcam. Users could scroll, refresh, and move forward and backwards through their browser history with simple hand motions. Solved issues regarding detecting users motions to trigger the corresponding event without other events firing.