

SELAM WELDU

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SF

SKILLS

Ruby, Rails, Javascript, React, Redux, HTML, CSS, SQL, MongoDB, Express.js, Node.js, PostgreSQL, AWS, JQuery, Git

PROJECTS

WATERBNB | (React, Redux, Ruby on Rails, Javascript, PostgreSQL, Google Maps API)

[live](#) | [github](#)

A pixel-perfect clone of Airbnb

- Implemented secure frontend and backend authentication using BCrypt to ensure user privacy and autonomy.
- Integrated Google Maps API with geolocation-based searching to process and dynamically present business locations based on user input.
- Hosted images in the cloud using AWS S3, and utilized a one-to-many polymorphic table on the database level, decreasing server load, DRYing up code and allowing for scalability of the app.

CRAVINGS | (MongoDB, Express, React, Node.js, React-leaflet)

[live](#) | [github](#)

A single-page web app that recommends restaurants based on cravings, taste or mood.

- Leveraged the Yelp API by adding custom search algorithms to populate MongoDB with relevant and engaging seed data.
- Utilized query strings that passed user parameters to custom Axios calls, reducing the size of the response payload and returning pre-filtered results to react components.
- Built rich map experience by using a react-leaflet map, resulting in faster render time and smooth zoom interpolation.

SHIFT | (Javascript, HTML, CSS)

[live](#) | [github](#)

A single-player car racing game

- Decreased graphic rendering lag through the use of loops and animation frames, resulting in a more realistic gaming experience.
- Developed collision detection with Javascript implemented algorithms based on keystroke event listeners resulting in logic for game over condition.

EXPERIENCE

Calculus Tutor

Ohio Wesleyan University

Sep 2017 - May 2018

- Provided weekly one-on-one tutoring to five students in single variable and multivariable calculus.
- Conducted comprehensive test review sessions by developing numerous concept sheets and review packets resulting in an increase of more than 25 percent in some students' grades.
- Specialized as a tutor by simplifying math concepts while coaching students to think critically to solve problems.

Student Fellow

The Impact Fellowship

Jan 2018 - Feb 2018

- Took courses in advanced software engineering and web development. [React, Node, Express, MongoDB]
- Successfully completed the selective computer programming fellowship equipping and inspiring the next generation of social entrepreneurs.
- Met speakers and leaders from NGOs, social startups, think tanks, and philanthropic organizations.

EDUCATION

Computer Science - Ohio Wesleyan University | 2016 - 2020

Web Development - App Academy | Spring I 2019