SELAM WELDU

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EDUCATION

Computer Science - Ohio Wesleyan University, Columbus,OH   August 2016 - May 2020
- *Relevant Courses*: Intermediate Computer Science and Data Structures, Algorithms, Discrete Mathematics, Computer Organization, Multivariable Calculus, Applied Statistics, Theory of Computation, Artificial Intelligence, Heuristics for NP-Complete Problems, Paradigms of Computation

Web Development - App Academy   May 2019-August 2019
- *Coursework*: Rails, SQL, JavaScript, React, Redux, TDD, algorithms, and programming best practices.

SKILLS Python,C++, Javascript, React, Ruby on Rails,Node.js, RSpec, PostgreSQL, MongoDB, Git, HTML5, CSS3

EXPERIENCE

Online Instructional Assistant   September 2020 - Present

App Academy
- Teach students a wide range of topics that include Computer Science fundamentals, Data Structures, Algorithms, AJAX, Javascript and React.
- Develop CS projects in Javascript and write test specs in Rspec to aid with student learning.
- Refactor curriculum to stay up-to-date with current trends in popular technologies, frameworks, and best practices.

Software Engineer | live | github   July 2019 - August 2019

Cravings - Personal Project (Node.js, Express, React, React-leaflet, MongoDB)
- 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.

Software Engineer | live | github   June 2019 - July 2019

WaterBnB - Personal Project (RubyonRails, Javascript, React, Redux, PostgreSQL, Google Maps API)
- 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.

Volunteering

Volunteer

SBP | Disaster and Humanitarian Relief, Puerto Rico and New Orleans   October 2017 - Present
- Helped rebuild family homes in Puerto Rico and New Orleans destroyed by Hurricane Maria and Katrina respectively.
- Fundraised over 40% of the money needed to make the trip along with a student group.