CHRIS READ

+1 (702) 630-8300   rcreadii@gmail.com   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

SKILLS Javascript - Python - PostgreSQL - HTML - CSS - React - Redux - Express - Node.js - Sequelize - Flask - SQLAlchemy - Docker

PROJECTS

LOVELOCK   live | github

Mobile web application pointing each of two users towards the other through a compass interface.

- Integrated OpenWeatherMap and GeoDB Cities APIs in a dynamic algorithm matching two users based on a unique URL, and generating compass directions from one user to the other, to present weather and city data on "lock."
- Harnessed the Sensors API to employ device orientation via an event listener in order to capture a mobile device's compass direction and display compass direction based on the authenticated user.
- Utilized the navigator object in conjunction with SQLAlchemy and a Flask backend to store user geolocation data via a CRUD operation in a PostgreSQL database to later calculate compass bearing.

OPENBAR   live | github

OpenTable-inspired web application to search, review, and make reservations at bars.

- Leveraged Redux within a React frontend to store and access bar information, such as hours of operation and user reviews, to enhance user experience of detailed bar information. Further used Redux to dynamically present and update logged-in user review data as placeholder values to an update review form for ease of use.
- Incorporated React Google Map with props to render a map displaying bar geolocation on each bar homepage to improve the user display of critical bar details.

GOODLAUGHS   live | github

GoodReads-inspired web application to save, rate, review, and share jokes.

- Extended express-validator to create server-side custom validators for user login, signup, and joke form data to be rendered dynamically through a PugJS template and allow users to conveniently diagnose submission errors.
- Managed user authentication with the Express request object after a confirmatory Sequelize query to a PostgreSQL database to allow the creation of unique user profiles with protected data.

EXPERIENCE

Co-Founder   Jan 2020 - Jul 2020

Multiple: M1 - All-American HandSanitizer - "The Trading Company" (each worked on sequentially)

- Applied websockets and asyncio to ingest financial market data after authenticating with splinter and urllib, delivering payloads with psycopg2 to a PostgreSQL database.
- Enabled live order execution through a CLI "stock terminal" by connecting with a third party API.

Data Scientist (Marketing Analyst)   Oct 2018 - Dec 2019

Brex

- Owned python and PostgreSQL scripts to manage new customer attribution.
- Gathered and formatted data for presentation in weekly meetings involving parts of the leadership team.

Personal Thinking   Jun 2017 - Sep 2018

- Wrote over 100,000 words of thoughts, plans, and notes. Included learning about 10 technological fields.
- During one month, created a program that employed selenium, beautifulsoup, and numpy to attempt to capitalize on financial arbitrage opportunities between cryptocurrency exchanges.

EDUCATION

App Academy || Software Engineering (Full Stack Web Development)   Sep 2020 - Feb 2021

Harvard University || BA History   Aug 2013 - May 2017

- GPA 3.719/4.0 (cum laude)
- Computer Science Courses: Introduction to Computer Science - Introduction to Data Science - Machine Learning
- Included one 5-course & two 6-course semesters