

Joan Buck

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SKILLS JavaScript, Python, Node.js, React, Redux, Express, Flask, PostgreSQL, Sequelize, SQLAlchemy, HTML5, CSS3, Git

PROJECTS

What the Truck (*React / Redux, Python, Flask, PostgreSQL, SQLAlchemy, HTML, CSS, Git*)

[Live Site](#) | [Github](#)

- Built core CRUD features with normalized Redux store to optimize loading times updating, rendering, and deleting data
- Implemented geocoding with the Google Maps API to pinpoint truck locations based on user input address for ease of use
- Incorporated user authentication using React hook, disallowing user access to certain routes based on credentials
- Utilized built-in and custom-built Flask form data validations to ensure performant and error free user flow

Moodify (*React / Redux, Python, Flask, PostgreSQL, SQLAlchemy, HTML, CSS, AWS S3, Git*)

[Live Site](#) | [Github](#)

- Collaborated with a team of software engineers to build application, utilizing a Git workflow to maintain version control
- Incorporated a custom audio player React component that enabled site-wide streaming of audio files hosted on AWS
- Designed PostgreSQL database with a join table to optimize database calls when users update, render, and delete playlists

SnowBnB (*React / Redux, JavaScript, Node.js, Express, PostgreSQL, Sequelize, HTML, CSS, Git*)

[Live Site](#) | [Github](#)

- Implemented state management using Redux to optimize data organization to create a dynamic user interface
- Leveraged PostgreSQL database design to optimize application performance with minimal database fetches
- Used bcryptjs library to hash user passwords to store in database, ensuring a secure user authorization process

EXPERIENCE

Google

Strategy and Operations Analyst at YouTube Marketing via Adecco

August 2019 - August 2021

- Built scalable workforce management process with Google Sheets and SQL queries to optimize strategic planning and stakeholder communication
- Analyzed workforce data (300+ employees), built dashboard in Google Data Studio to share insights with leadership team
- Structured, conducted, and analyzed survey of 150 marketers to share data-driven recommendations on team culture

Stanford University

Lightweight Women's Rowing Assistant Coach

October 2016 - August 2019

- Won three consecutive National Championships, 2017 - 2019
- Mentored 35 student-athletes through excellent communication, organization, and prioritization skills
- Managed first-year rowing program, collaborated with cross-functional partners to establish best practices

Vocate Inc

Community Manager

September 2015 - September 2016

- Collaborated with product team to improve user experience at EdTech start-up serving 2000+ undergraduates
- Increased student users 150% in one year by implementing strategic and scalable user acquisition process

Riverside Boat Club High Performance Group

Athlete

November 2010 - June 2015

- 2013 USRowing Elite National Champion; 2013 finalist & 2014 semi-finalist at USRowing Senior National Team Trials
- Trained 35 hours per week with the goal of making the US Rowing National Team

EDUCATION

App Academy - *Immersive full-stack web development program*

October 2021 - April 2021

Wellesley College - *B.A. in Russian Language & Literature*

September 2006 - June 2010