Xuelan Wu

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Skills

JavaScript ES6+, HTML, CSS, SQL, React, Redux, Node, Sequelize, SQLAlchemy, postgreSQL, Firebase, Heroku, Render, Express, Git, Python

Projects

Dumdle - Inspired by Bumble, that allows dog owners to find compatible dogs for their furry friends   live site | github

JavaScript , React / Redux , Firebase , Express , Socket.io, Sequelize , postgreSQL , CSS3 , HTML5 , Heroku

- Took full ownership of the design, implementation, and testing process using Agile methodologies, delivering a streamlined full-stack production process
- Leveraged Firebase Storage to efficiently manage the uploading of multiple profile images, benefiting from its scalability and capacity
- Designed the entire web application with custom CSS in order to provide a fluid and snappy user interface
- Leveraged conditional rendering in React to dynamically render what the user sees based on the current state of the app
- Utilized SocketIO to implement web sockets, enabling real-time chat communication between users, providing a smooth, seamless chat experience for the users

WhateverBnb - A clone of Airbnb, a platform for booking unique and local accommodations   live site | github

JavaScript , React / Redux , Express , Sequelize , postgreSQL , CSS3 , HTML5 , Heroku

- Connected a React frontend to an Express backend, applying Express-Validator to ensure validation of data
- Constructed and maintained over 20 scalable REST APIs, complete with comprehensive documentation for seamless integration and maintenance
- Built and maintained a dynamic, user-friendly web application using React and Redux to produce modular, reusable, and highly manageable components, resulting in increased productivity
- Constructed helper functions that leveraged DRY programming principles, optimizing overall production speed
- Launched and integrated a robust search functionality within the application, improving user experience and data accessibility

Slacky - Modeled after Slack, a collaboration and communication platform for team   live site | github

Python , Flask , SQLAlchemy , React / Redux , CSS3 , Render , Socket.io

- Demonstrated strong adaptability by rapidly acquiring proficiency in Python and SQLAlchemy within a two-week period
- Constructed API documentation using RESTful endpoints in order to form a more organized and uniform API, and provided a blueprint for the team to follow
- Developed a system for organizing and displaying private and public servers using React Redux state management in conjunction with Flask-SQLAlchemy model declaration.
- Collaborated with 3 fellow students utilizing Git workflow to improve communication, which resulted in establishing 4 features in 10 days

Experience

Business Analyst | September 2019 - January 2020

Argus Merchant Services LLC

- Facilitated knowledge transfer sessions to clarify business objectives and identify areas for improvement for clients
- Consistently conveyed project updates and progress to my manager, utilizing clear and effective communication techniques
- Conducted comprehensive market research and competitor analysis to uncover industry trends and identify growth opportunities for clients

Education

App Academy | August 2022 - January 2023 | Online

- Robust 1000-hour full-stack software engineering course with <5% acceptance rate.
- Courses included: Javascript, Data Structures and Algorithms (DS&A), Object Oriented Programming (OOP), Test Driven Development (TDD), Express, Sequelize, React, Redux, Python, Flask, SQLAlchemy, and system architecture.

University of Massachusetts | September 2015 - May 2019 | Amherst, MA

Bachelor of Science, Major in Mathematics