Isaiah Barrett

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TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, HTML/CSS
Frameworks: React, Node.js, Flask, Express.js, Alembic, Mocha
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, Figma, Amazon Web Service
Libraries: SQLAlchemy, Sequelize, Redux, Jinja
RDBMS: MySQL, PostgreSQL, SQLite
Concepts : RESTful API, Object-Oriented Programming

PROJECTS

TeeBay | *Python, Flask, React, PostgreSQL, Redux, Git*
- Implemented a user search feature through the use of Redux state management and React's useDispatch hook, streamlining data retrieval from the Flask API enabling swift access to T-shirt information for users.
- Engineered an intuitive shopping cart by passing defined functions that dispatched cart actions from the cart reducer into onClick event listeners to update the cart, ensuring a systematic and visually appealing user experience through CSS properties for smooth item addition or removal.
- Developed multiple forms by extending the FlaskForm base class to instantiate classes to retrieve user input data while implementing validation methods to guarantee accurate and valid data input for each form.

HotSpotBnb | *JavaScript, Express, React, Redux, PostgreSQL, Git*
- Deployed user registration and login functionality, incorporating secure authentication mechanisms featuring bcrypt hashing functions on the backend and React authentication routes, ensuring robust security for the application.
- Managed user and review data in a PostgreSQL database using render, created migrations, and defined Sequelize ORM models for efficient storage. Developed 20+ Express backend routes with Sequelize validations and constraints, enhancing functionality for dynamic, validated data interaction.
- Developed modals for form submissions through the creation of a modal context function. Implemented a separate modal component with destructured modal context properties, enabling the seamless integration of any React component within the modal structure.

EXPERIENCE

Full Stack Developer Jan. 2023 – Jan. 2024
Joyce Lewis Law *San Francisco, CA*
- Implemented and redesigned frontend by crafting modularized components using React and CSS.
- Supervised client-generated emails and engaged in discussions with the owner regarding their content.
- Managed the storage and retrieval of records using PostgreSQL.

Laboratory Assistant Sept 2020 – Sept 2021
San Francisco State University *San Francisco, CA*
- Proficiently operated and maintained various laboratory instruments, ensuring accurate and reliable experimental results.
- Conducted quality control checks on equipment, reagents, and materials to ensure accurate and consistent experimental outcomes.
- Shared insights and findings with team members, contributing to the overall knowledge pool and problem-solving efforts.

EDUCATION

Oregon State University Corvallis, Oregon
Bachelor of Science in Computer Science *2024*

App Academy San Francisco, CA
Immersive Software Development Bootcamp *2023*

San Jose State University San Jose, CA
Bachelor of Science in Chemistry *2016-2020*