Andrew Chan

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SKILLS

Javascript, React, Redux, HTML, CSS, Sequelize, PostgreSQL, SQLAlchemy, GIT, Github, Python, Express, Flask, Jest, Cypress, Node.js, Tailwind CSS

PROJECTS

StickKarter - *A full-stack clone of Kickstarter, a crowdfunding site.*   Live Site | Github
Technologies: JavaScript, React.js, Redux.js, HTML5, CSS, GIT, PostgreSQL, Flask, SQLAlchemy, WTForms, Python, AWS S3
- Developed a robust backend system, with Flask and SQLAlchemy that empowered authenticated users to create, read, update, and delete projects and rewards, enhancing the platform's versatility and user interaction capabilities.
- Improved database query performance and reduced server load by efficiently retrieving user-related information, such as backed projects, resulting in a more responsive and scalable application.
- Enabled authenticated users to upload project banner images directly to AWS S3 storage, improving project customization and user experience.

Bumblr - *A full-stack clone of Tumblr, a social media blog site.*   Live Site | Github
Technologies: JavaScript, React.js, Redux.js, HTML5, CSS, GIT, PostgreSQL, Flask, SQLAlchemy, WTForms, Python, AWS S3, CKEditor, Socket.io
- Developed a robust backend system, with Flask and SQLAlchemy, that allowed authenticated users to create, read, update, and delete posts and comments, enhancing functionality and enabling interactive user engagement.
- Created visually appealing, easy-to-use login and signup pages with intuitive designs that improved the onboarding experience for new users, encouraging them to engage with the platform.
- Guided the team in GitHub, implementing best practices for version control management, including effective branching strategies and pull request workflows, to ensure code integrity and smooth collaboration throughout the project.

BallBnB - *A full-stack clone of AirBnb, a location-based hosting site.*   Live Site | Github
Technologies: JavaScript, React, Redux, CSS, HTML5, GIT, Sequelize, PostgreSQL, Express, AWS S3, Google Maps API
- Provided a secure and efficient backend infrastructure with Express.js that allowed authenticated users to create, read, update, and delete spots and bookings, enhancing functionality and user experience.
- Empowered users to set specific locations, with latitude and longitude, for their spots, and displaying it with Google Maps API enhancing the accuracy and user-friendliness for both creators and consumers.
- Implemented a backend search feature that allowed users to find spots easily by specifying city, state, and country criteria, enhancing usability and enabling efficient spot discovery regardless of the user's search preferences.

EDUCATION

University of California, Riverside - *Biology, Bachelor of Science - 3.4 GPA*   September 2014 - June 2018
Relevant Coursework: Intro to Computer Science, Effective Use of World Wide Web, Intro to Genomics and Bioinformatics
App Academy   April 2023 - September 2023
Rigorous 24-week, 1000+hours software development course with < 3% acceptance rate. Topics include Full-stack web development, Algorithms, OOP, Restful API, version control management.

EXPERIENCE

Web/Frontend Developer   January 2024 - Present
- Utilized React and frontend frameworks to create a feature-rich, aesthetically pleasing, and responsive personal/business website, collaborating closely with a web designer and client to ensure an optimal user experience across various devices and screen sizes.
- Utilized Git and GitHub for version control, ensuring seamless collaboration and code management with branching strategies and pull requests.
- Integrated Google Analytics for in-depth traffic insights and employed Formspree.io for efficient client communication.

Physical Therapy Aide
DynamX Physical Therapy   December 2019 - April 2023
- Provided direct support to patients by assisting with exercises, mobility, and transfers, ensuring their safety and comfort during therapy sessions.
- Maintained accurate records of patient progress, exercise logs, and treatment notes, ensuring thorough and organized documentation.
- Collaborated effectively with physical therapists, and other healthcare professionals, and communicated patient updates and progress.