Brandie Lucano

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TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, SQL, PostgreSQL, HTML, CSS
Frameworks/Libraries: React, React Testing Library, Node, Express, Django, Flask, Bootstrap, JQuery, Jest, Vitest
Tools: SQLAlchemy, unittest, VSCode, Git, Github

SOFTWARE ENGINEER EXPERIENCE

Rithm School Intern   February 2024-March 2024
Rithm School

- Improved user login pages by dynamically adjusting them based on parsed information from the hostname of the url to create a more engaging and personalized user experience, enhancing the application's UI/UX.
- Designed and developed a Lightning Talk application, utilizing Django's consistent design principles to incorporate essential models, views, and templates, to match similar existing applications.
- Applied Irvings Stable Roommate Algorithm to automate the pairings of students for exercise sprints, resulting in fair pairings.
- Wrote unit and integration tests to maintain 99% coverage while updating and implementing new features.
- Contributed code within an agile framework, utilizing week-long sprints and daily team stand-ups in a 10-member engineering team.

TECHNICAL PROJECTS

Share BNB - *Flask*   Live Demo|Github

- Utilized Flask's lightweight capabilities and to develop a website where users could easily find outdoor spaces, benefiting from its quick setup and adaptability.
- Leveraged AJAX to update data without reloading the entire page, allowing an interactive experience for users to book and cancel listings.
- Integrated Flask's robust security features, including CSRF token handling, to ensure secure user authentication and protect against possible cross-site forgery attacks.
- Employed SQLAlchemy to manage database relationships, benefitting from its high-level abstraction and simplified query building.

Jobly - *React, Express*   Live Demo|Github

- Utilized React's component-based architecture to create a highly interactive and responsive user interface.
- Implemented live-search functionality using the debouncing technique to optimize search performance, thereby allowing efficient browsing of jobs and companies.
- Integrated secure authentication mechanisms for user login and logout functionalities, ensuring data privacy and user protection.

ADDITIONAL WORK EXPERIENCE

Private Tutor   2022-Current

- Provide personalized academic support to middle school students in Math, Reading, and Science.
- Monitor progress and correspond with parents to communicate students' progress, including notable improvements in test scores.

Special Education Paraprofessional   2016-2023
Los Angeles Unified School District

- Collaborated with teachers to effectively present instruction materials and provided consistent positive reinforcement to support learning and growth.
- Guided small-group instruction to students based on learning style, fostering an inclusive environment.
- Maintained records of student behavior and progress to communicate updates to the IEP team.
- Facilitated Sphero coding lessons for fifth-grade students, promoting STEM education and igniting students' interest in science and technology.

EDUCATION

Rithm School 2023-2024
Full Stack Web Development Bootcamp

University of California, Santa Barbara 2016
B.S. Sociology