Tia Doherty

Software Engineer | Denver, CO

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Skills
JavaScript, React.js, Redux.js, Python, SQL, HTML, CSS, Git, PostgreSQL, Express,js, Sequelize, Flask, SQLAlchemy

Projects

NotTrello (JavaScript, React, Redux, Python, Flask, HTML, CSS, PostgreSQL)   [Live Site](#) | [Github](#)
Description: Trello Clone
- Designed and developed NotTrello with key features like creating and editing projects, columns, Kanban cards, and comments to provide users with a simple and intuitive way to manage projects
- Architected and implemented a database using PostgreSQL, and set up queries with SQLAlchemy to send information via Flask to the website's frontend
- Engineered a React / Redux frontend to provide a dynamic and user-friendly interface with an efficient drag-and-drop methodology by incorporating ReactBeautifulDnD
- Improved responsiveness of the frontend by optimistically rendering updates

Jumpstarter (JavaScript, React, Redux, Python, Flask, HTML, CSS, AWS, PostgreSQL)   [Live Site](#) | [Github](#)
Description: Kickstarter Clone
- Built a RESTful API between client and server to allow for consistent client-server interaction
- Designed a search feature that pulls results from PostgreSQL database allowing users to filter by keyword
- Utilized GitHub to manage changes to the main repository and collaborate with other engineers
- Set up AWS (S3) to support and store file uploads from users

NoAirBnB (JavaScript, React/Redux, Express.js, Sequelize, HTML, CSS, PostgreSQL)   [Live Site](#) | [Github](#)
Description: AirBnb Clone
- Designed Express.js database and API for efficient data storage and retrieval
- Leveraged agile and scrum methodology to track bugs and keep others up to date on project progress

Experience

Math Tutor at Math4Girls   Apr 2020 - present
- Focus on creating a strong math foundation in female students by emphasizing understanding and problem solving, with the goal of building confidence in math class and minimizing the gender gap in STEM
- Led the expansion of Math4Girls' curriculum offerings to include high school level math and science, and continually mentor other tutors in teaching these subject areas

Math and Science Teacher at Fusion Academy Denver   Jan 2022 - Jan 2023
- Designed curriculums for students who have not had success in traditional classroom environments and regularly collaborated with other staff members, families, and healthcare professionals to improve students' classroom performance
- Learned to clearly and effectively break down complicated topics in math and science and present them to students

Strategy Lead at Assistive Technology and Development   Oct 2020 - Nov 2021
- Collaborated in writing three grants dedicated to developing scalable assistive technology which led to a $250,000 reward from the National Institute on Disability, Independent Living, and Rehabilitation Research
- Led the analysis of important milestones of device commercialization from a reimbursement perspective using health economics and outcomes research, which identified optimal coverage strategies for the device and the creation of a go-to-market strategy

Education

Full Stack Developer Bootcamp Certificate, App Academy   July 2023
Immersive 1000-hour software development course with focus on full stack web development using Javascript and Python.

Bachelors in Biological Sciences, University of Southern California, GPA 3.91   May 2018