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: Clone of Trello
- Designed and developed NotTrello, with key features like creating and editing projects, Kanban cards, and comments with coworkers to provide users with a simple and intuitive way to manage projects
- Designed and created a database with Flask, and set up queries with SQLAlchemy to send information to the website's frontend
- Utilized React / Redux to manage the website's state and provide a dynamic and user-friendly interface

Jumpstarter (JavaScript, React / Redux, Python, Flask, HTML, CSS, AWS, PostgreSQL)   Live Site | Github
Description: Clone of Kickstarter
- Implemented CRUD operations to create and edit crowdsourced projects and built custom routes with Flask
- Utilized GitHub to manage changes to the main repository and collaborate with other engineers
- Employed AWS to support and store file uploads from users

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

Experience

Math4Girls
Math Tutor   Apr 2020 - present
- Tutor Elementary, Middle, and High School age girls to embrace and thrive in math
- 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

Fusion Academy Denver
Math and Science Teacher   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' attendance records and grades
- Created lab curriculums for the school's high school science classes, leading to a standardized set of materials for all science teachers that adhere to state curriculum standards
- Reviewed and provided feedback on lessons and assessments created by other team members and received feedback on my materials in order to improve learning for students

Assistive Technology and Development
Strategy Lead   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

App Academy   January 2023 - July 2023
Immersive 1000-hour software development course with focus on full stack web development using Javascript and Python.

University of Southern California
Bachelors in Biological Sciences, Minor in Psychology   August 2014 - May 2018