

Molly Parente

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Full-Stack Web Developer

Detail-oriented and adaptable software engineering professional with a robust foundation in full-stack web development and a commitment to creating efficient, user-centric applications. Proven ability to learn new technologies quickly, collaborate effectively within teams, and deliver high-quality technical solutions under tight timelines. Experienced in translating complex problems into intuitive designs and code, with hands-on expertise in HTML, CSS, JavaScript, MongoDB, Express, React, Python and more. Awarded two Army Commendation Medals for heroism and meritorious service, highlighting resilience and a commitment to excellence in all endeavors.

Skills

Programming Languages: HTML/CSS | JavaScript | TypeScript | Python | Lua | C#

Programming Frameworks & Libraries: React.js | Express | MongoDB | Node.js | Django | Next.js

Projects

Chewsy

December 2024

Recipe Management with Meal Planning and Shopping List Generation

Designed and developed a recipe management platform with integrated meal planning and shopping list generation capabilities, leveraging Django and PostgreSQL for backend functionality and Heroku for deployment.

- Engineered a robust authentication system, enabling users to maintain personalized cookbooks and track weekly meal plans.
- Developed advanced features, including ingredient consolidation, fractional input handling, and drag-and-drop instruction reordering, enhancing user experience.
- Created a responsive front-end design utilizing HTML, CSS, and Bootstrap, ensuring seamless usability across devices.
- Executed database migrations and ensured efficient deployment to Heroku, demonstrating proficiency in backend and deployment workflows.

Loom

October 2024

Full-Stack Application for Interactive Storytelling

Built a full-stack application enabling interactive storytelling, featuring user-generated avatars designed to address and mitigate childhood fears.

- Designed and implemented CRUD functionality with Node.js, Express, and MongoDB, supporting dynamic character creation and personalized interactions.
- Utilized Mongoose for relational data modeling to manage complex relationships between characters, fears, and user interactions.
- Integrated OpenAI's ChatGPT API to provide engaging, dynamic user interactions, enhancing the storytelling experience.
- Developed a RESTful API for efficient data communication between the front-end and back-end, ensuring seamless application performance.

Professional Experience

Various School Districts (Camas, Battle Ground and Evergreen) - Vancouver, WA

August 2018 - February 2024

Science Teacher, Secondary Education

Facilitated science education through curriculum development, collaborative teaching strategies, and effective communication of complex scientific concepts to diverse audiences.

- Instructed students across multiple science disciplines, emphasizing analytical thinking and problem-solving.
- Developed and implemented adaptive lesson plans, focusing on critical thinking and problem-solving, skills essential for debugging, analyzing requirements, and designing efficient solutions.

Education

Certificate: Software Engineering Immersive
General Assembly - New York, NY

December 2024

Master in Teaching (M.T.)
Washington State University - Vancouver, WA

July 2018

Bachelor of Science (BS) in Biology
Kennesaw State University, Kennesaw, GA

December 2016