

# Molly Annette 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. Known for dedication to continuous learning and a keen eye for optimization, backed by experience in roles requiring precision, documentation skills, and process improvement. Awarded two Army Commendation Medals for heroism and meritorious service, highlighting resilience and a commitment to excellence in all endeavors.

## Professional Experience

### Science Teacher, Secondary Education

Various School Districts: Camas, Battle Ground and Vancouver, WA

2018 – 2024

Instructed students across multiple science disciplines, emphasizing analytical thinking and problem-solving. Communicated complex processes (e.g., water testing, data analysis) to diverse audiences, including staff, families, and students. Led curriculum development initiatives and guided a team of educators to align teaching strategies and ensure content quality.

- Led cross-functional collaboration among educators to develop and refine curricula, enhancing content alignment and improving learning outcomes through clear communication and teamwork.
- Simplified complex scientific concepts for diverse audiences, honing skills in translating technical information into accessible, user-friendly formats.
- Developed and implemented adaptive lesson plans, focusing on critical thinking and problem-solving—skills essential for debugging, analyzing requirements, and designing efficient solutions.

## Relevant Projects

### Chewsy - Recipe Management with Meal Planning and Shopping List Generation

Dec 2024

Developed with Django and PostgreSQL, Chewsy enables users to create, edit, and manage recipes, generate meal plans, and produce dynamic shopping lists. Integrated a robust authentication system, allowing users to maintain personalized cookbooks and track weekly meal plans. Implemented advanced features such as ingredient consolidation for shopping lists, fractional input handling, and drag-and-drop instruction reordering. Demonstrates expertise in backend development, responsive front-end design with HTML, CSS, and Bootstrap, and deployment to Heroku with seamless database migrations.

### Loom - Full-Stack Application for Interactive Storytelling

Oct 2024

Built with Node.js/Express/MongoDB, this app allows users to create avatars that protect a child from various fears. Utilized Mongoose for relational data modeling, managing character creation, fears, and interactions. Developed robust CRUD functionality and implemented RESTful API design for smooth data flow between frontend and backend, demonstrating strengths in backend development, data management, and user-focused storytelling. Enhanced with dynamic, personalized user interactions using OpenAI's ChatGPT API integration.

## Skills

**Programming Languages** - HTML/CSS, JavaScript, TypeScript, Python, Lua, C#

**Programming Frameworks & Libraries** - React.js, Express, MongoDB, Node.js, Django, Next.js

## Education

**Certificate of Completion in Software Engineering Immersive**, General Assembly - New York, NY

Dec 2024

**Master in Teaching**, Washington State University - Vancouver, WA

Jul 2018

**Bachelor of Science in Biology**, Kennesaw State University, Kennesaw, GA

Dec 2016