

# Jennifer Gallagher

## Software Engineer

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Software Engineer passionate about innovation through technology. I have a keen eye for the demands of diverse scenarios and I consistently seek solutions that transcend mere functionality, infusing inspiration into every endeavor. In my previous role as an instructor I honed my skills of breaking down complex problems and creating innovative solutions that promote both understanding and enthusiasm for the topic at hand. As a software engineer my ambition is to develop creative projects that positively uplift the user experience leaving a positive imprint.

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**Software:** JavaScript, React, AWS S3, Python, HTML, CSS, CS Fundamentals, Agile Development, PostgreSQL, Express, Node.js, MongoDB, Jest, Django, Ruby on Rails, Git, TypeScript, RESTful APIs, Testing

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### SOFTWARE DEVELOPMENT PROJECTS

#### **Star Wars Checkers** [Repo](#) [Deployed App](#)

Designed a user-friendly “Star Wars” theme checkers game with a strong emphasis on creating an intuitive and engaging user-experience.

- Implemented game logic and interactivity, incorporating move validation, turn management, and king functionality.
- Technologies Used: JavaScript, HTML, CSS

#### **Triforce Tracker** [Repo](#) [Deployed App](#)

Developed a comprehensive Node application that allows users to review The Legend of Zelda video games

- Full CRUD(Create, Read, Update, Delete) application empowering users to interact with game data stored in MongoDB.
- Integrated Google OAuth for secure user authentication and authorization.
- Utilized RESTful API calls to the IGDB API to fetch and display game details, including summaries and images, greatly enhancing the user experience of the application.
- Technologies Used: HTML, CSS, JavaScript, Node, Express, EJS, MongoDB, Mongoose, 3rd party API, OAuth, render.com

#### **TrailTrekker** [Repo](#) [Deployed App](#)

Curated a full CRUD Django application that allows users to track their hikes

- Collaborated with a team of two Software Developers to implement GitHub workflow, conduct code reviews, and enforce Scrum best practices.
- Acted as the GitHub Manager, overseeing version control, facilitating and managing pull requests, and maintaining a comprehensive record of team progress.
- Implemented AWS S3 to allow users the ability to seamlessly upload pictures of their hike.
- Technologies Used: HTML, CSS, JavaScript, Python, Django, AWS, Materialize

#### **Annoying Socrates** [Repo](#) [Deployed App](#)

Engineered a MERN stack application tailored for students, fostering Socratic-style philosophical discussions.

- CRUD application enabling users to curate posts by selecting quotes from the Quotable API.
- Incorporates full authentication and React client-side routing for a secure and seamless user experience.
- Technologies Used: HTML, CSS, JavaScript, Mongoose, MongoDB, Express, React, Quotable API

### PROFESSIONAL EXPERIENCE

Software Developer | **Ceptor Club** | January 2024-Present

- Drive innovation as a volunteer developer at Ceptor Club, dedicated to revolutionizing character creation accessibility in role-playing games.
- Collaborated with fellow developers and UX designers, leveraging React, Next.js, Blockchain, and Websockets within Agile principles to inject advanced features into the codebase, markedly boosting accessibility.
- Pioneered the implementation of an “Explain” button feature powered by OpenAI, resulting in a substantial improvement in user comprehension of AI-generated characters and DnD concepts, a notable enhancement of the overall user experience.

Instructor | **The University of Colorado Boulder Philosophy Department** | August 2020-May 2023

- Led dynamic weekly sessions for 150 adult learners, fostering lively and informed discourse on complex and pertinent subjects including abortion, free speech, Black reparations, and dietary ethics
- Spearheaded and led a discussion-driven teaching workshop series, achieving a 30% increase in graduate instructor participation and fostering a culture of continuous improvement, while also fostering a culture of collaboration, leading to the implementation of innovative teaching techniques and practices, as reflected in a 25% improvement in student engagement scores across participating classrooms.
- Introduced the groundbreaking course "Philosophy and Video Games," a permanent and highly sought-after addition to the department's curriculum, resulting in a significant boost of 100 additional student enrollments in philosophy classes annually.
- Distinguished with the Claudia Mills Teaching Prize for outstanding and impactful instruction, based on student feedback and innovative pedagogy.

Front Desk Operations Coordinator | **Seacoast Lucky Dog Daycare** | August 2019-May 2020

- Proficiently managed and meticulously organized databases and client information using our internal software system, ensuring data accuracy and accessibility for seamless operations.
- Acted as a crucial link between clients and internal staff, skillfully conveying vital information from clients to relevant team members, fostering efficient communication and ensuring client needs were met with precision and timeliness.

## **EDUCATION**

**General Assembly** | Software Engineering Immersive | August-November 2023

**University of Colorado Boulder** | MA Philosophy | May 2022

**University of New Hampshire** | BA Philosophy and History, Summa Cum Laude | May 2019