

Experience

Blurbs - New York, New York

Full Stack Developer

October 2025 - Present

- Worked with stakeholders to design and develop an AI chatbot leveraging RAG, improving customer vendor discovery and decision-making
- Implemented interactive React dashboard features that improved usability and accessibility for end users
- Guided AI strategy and integration, ensuring alignment with existing infrastructure and business goals

Infinity Lumber - Brooklyn, New York

Web Developer

June 2022 - October 2025

- Built company website using React, JavaScript, and CSS to improve the presence and accessibility of the company web app
- Integrated Firebase to enable remote inventory management and user authentication
- Optimized SEO for live site by updating tags, metadata, and keywords, improving Google results by multiple pages

Projects

InfinityLumber.com

Company Site

- Single page web app using React and Firebase Implemented user favorites and preferences stored locally and/or behind Firebase Authentication
- Automated welcome and order confirmation emails via Firebase database triggers to increase user retention
- Developed features including search, product categories, favorites, checkout, and persistent sessions in iterative scrum sprint cycles

Game of Twenty Squares

Web Game

- Designed and developed a board game using React and Firebase with local multiplayer or singleplayer vs AI
- Created flexible decoupled state management using UseReducer and useContext hooks
- Built an AI that scores and ranks possible moves to automatically play against human players
- Implemented custom React hooks for persisting state in local browser storage
- Designed responsive UI using flexbox and CSS grid to support multiple device types (desktop, tablet, phone, etc.)

Education

Designing and Building AI Products and Services

MIT xPro

Learned how to strategically assess business problems and design an effective AI solution using the skills listed below

B.S. Computer Programming and Information Systems

Farmingdale State College at Farmingdale, NY

Concentration in Web Development and a minor in Sociology

Skills

Languages: Javascript, Typescript, Python, React, Redux, HTML, JSX, CSS, SQL, C#, Java

Frontend: React Components, React Hooks, React Router, Styled Components, Bootstrap, Storybook, Webpack

Backend: RESTful routing, Express.js, Firebase, Node.js

AI: Machine Learning, LLM, RAG (Retrieval Augmented Generation), Word Embedding, Generative Adversarial Networks, Neural Networks, Natural Language Processing, Computer Vision, Superminds, Human Computer Interaction, Support Vector Machines, Naive Bayes Classification

Apps: GitHub, VS Code, VIM, Linux, Postman, Adobe Photoshop, Quickbooks Online