

Jenna Tripoli

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EXPERIENCE

Full-Stack Software Engineer

Jun - Dec 2024

Gently US

Santa Monica, CA

- Enhanced API capabilities to facilitate high-quality same-day local deliveries for a growing client base.
- Engineered a custom warehouse management system with modern front-end design and technology.
- Created solutions using TypeScript, React, Tailwind CSS, AWS, Prisma, Express, Next, and Vitest.
- Developed back-end integrations with Shopify, Route4Me, Twilio, SendGrid, Clerk, and AskNicely.

Software Engineer

Jan - May 2024

ASL Education Center

Framingham, MA

- Designed and implemented responsive and modular web applications with JavaScript, React, and CSS.
- Streamlined project collaboration across time zones using GitHub Projects to enhance team efficiency.

Researcher and Developer

Aug 2023 - Apr 2024

WPI Human-Computer Interaction Lab

Worcester, MA

- Made a cutting-edge platform for creating and distributing surveys in American Sign Language (ASL).
- Used guidelines from the WCAG 2.2 and USWDS color indicators and standards for non-text contrast.
- Implemented and deployed the application using JavaScript, React, CSS, Python, PostgreSQL, and AWS.
- Conducted a successful unmoderated user study with 30 Deaf participants to evaluate the tool's usability.

Technology Development Intern

Jun - Aug 2023

Optum (UnitedHealth Group)

Cypress, CA

- Improved an internal insurance claim management portal by implementing a data override system.
- Used Java, Oracle Scripts, SQL, and REST APIs for the back end and JavaScript for the front end.
- Worked with Jenkins for CI/CD, DBeaver and Postman for testing, and Rally for Agile collaboration.

SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java, SQL, CSS, HTML, C, C++, Kotlin, R

Frameworks and Libraries: React, Tailwind, Prisma, Node, Express, Next, Astro, Vitest, Django, Miniconda

Tools and Platforms: GitHub, Jira, PostgreSQL, AWS, Figma, TinaCMS, WordPress, Unreal Engine

EDUCATION

Worcester Polytechnic Institute

May 2023 - May 2024

Master of Science in Computer Science | 4.00 GPA

Worcester, MA

Worcester Polytechnic Institute

Aug 2020 - May 2024

Bachelor of Science in Computer Science | 3.96 GPA (High Distinction)

Worcester, MA

Minor: Interactive Media and Game Development

ACTIVITIES

Programming Mentor

May 2024 - Present

FIRST Robotics Competition Team 294

Redondo Beach, CA

- Teach topics like Java, GitHub, and vision processing for optimized teleoperation and autonomous routines.
- Design and develop platforms for the team's website and their application for strategy and data analysis.