

# Jenna Tripoli

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## EXPERIENCE

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### Full-Stack Software Engineer

**Jun 2024 - Present**

Gently

Santa Monica, CA

- Enhance API capabilities and performance to facilitate same-day local deliveries for a growing client base.
- Engineer and test a custom warehouse management system with modern front-end design and technology.
- Create solutions using TypeScript, React, Tailwind CSS, AWS, Prisma, Express, Next, and Vitest.
- Develop back-end integrations with Shopify, Route4Me, Twilio, SendGrid, Clerk, and AskNicely.

### Software Engineer (Consultant)

**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

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**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

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### Worcester Polytechnic Institute

**May 2023 - May 2024**

**M.S. Computer Science** | 4.00 GPA

Worcester, MA

### Worcester Polytechnic Institute

**Aug 2020 - May 2024**

**B.S. Computer Science** | 3.96 GPA (High Distinction)

Worcester, MA

**Minor:** Interactive Media and Game Development

## ACTIVITIES

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### 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.