

Jenna Tripoli

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EXPERIENCE

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 a custom warehouse management system leveraging modern front-end technologies.
- Create solutions using TypeScript, React, Prisma, Express, Next, Astro, TinaCMS, Tailwind, and Vitest.
- Develop integrations with Shopify, Route4Me, Twilio, SendGrid, Narvar, Clerk Auth, and AskNicely.
- Use AWS for deployment through Amplify and App Runner, and storage of media and logs through S3.

Software Engineering Consultant

Jan - May 2024

ASL Education Center

Framingham, MA

- Collaborated in designing and creating cutting-edge online technology for native ASL signers.
- 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.

Technology Development Intern

Jun - Aug 2023

Optum

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, Prisma, Express, Next, Astro, Tailwind, Vitest, Django, NumPy, Pandas

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

EDUCATION

Worcester Polytechnic Institute

Worcester, MA

M.S. Computer Science | 4.00 GPA

May 2023 - May 2024

Worcester Polytechnic Institute

Worcester, MA

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

Aug 2020 - May 2024

Minor: Interactive Media and Game Development

ACTIVITIES

Programming Mentor

May 2024 - Present

FIRST Robotics Competition Team 294

Redondo Beach, CA

- Teach high school students about Java coding and GitHub for robot programming and web development.
- Use PID control systems, motion profiles, and vision processing for teleoperation and autonomous routines.

Developer and Researcher

Aug 2023 - Apr 2024

ASL Survey Tool, WPI HCI Lab

Worcester, MA

- Made a JavaScript web application to create and take surveys in American Sign Language (ASL).
- Conducted a successful unmoderated user study with 30 Deaf participants to evaluate the tool's usability.