

Jenna Tripoli

Redondo Beach, CA • jennatripoli02@gmail.com • (310) 780-6785 • Portfolio: <https://jennatripoli.github.io/>

EXPERIENCE

Full-Stack Software Engineer

Jun 2024 - Present

Gently

Santa Monica, CA

- Further develop the company's proprietary warehouse management system and revamp their website.
- Create solutions using TypeScript, React, Prisma, Express, Next, Astro, TinaCMS, and Tailwind.
- Work on platform integrations with Shopify, Route4Me, and AskNicely to ensure successful deliveries.

Software Engineering Consultant

Jan - May 2024

ASL Education Center

Framingham, MA

- Contributed to designing and creating new and innovative online technology for native ASL signers.
- Focused on implementing responsive and modular web applications with JavaScript, React, and CSS.
- Used GitHub Projects to enhance team efficiency and foster collaboration across several time zones.

Technology Development Intern

Jun - Aug 2023

Optum

Cypress, CA

- Enhanced 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

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

Libraries/Frameworks: React, Prisma, Express, Next, Astro, Tailwind, Vitest, Django, NumPy

Technologies: Git, GitHub, Jira, PostgreSQL, AWS S3, TinaCMS, Linux, GitHub Projects, 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

Awards: Provost's MQP Award Honorable Mention, IMGD Junior Student of the Year, Dean's List

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 controls, motion profiling, and vision processing for teleoperation and autonomous routines.
- Design driver control systems with joysticks, handheld controllers, and on-screen visual modules.

Developer and Researcher

Aug 2023 - Apr 2024

ASL Survey Tool, WPI HCI Lab

Worcester, MA

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