

# Jenna Tripoli

Redondo Beach, CA • jmtripoli@wpi.edu • (310) 780-6785 • Portfolio: <https://jennatripoli.github.io/>

## EXPERIENCE

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### Full-Stack Software Engineer

**Jun 2024 - Present**

Gently

Santa Monica, CA

- Revamp the company's website and further develop the in-house warehouse management system.
- Develop solutions in TypeScript, Astro.js, and TailwindCSS integrated with TinaCMS and Jira.

### Software Engineering Consultant

**Jan - May 2024**

ASL Education Center

Framingham, MA

- Contributed to designing and creating new and innovative online technology for ASL signers.
- Focused on creating responsive and modular web applications with JavaScript, React.js, 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 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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**Languages:** JavaScript, Python, Java, SQL, TypeScript, CSS, HTML, C, C++, TypeScript, Kotlin, R

**Libraries/Frameworks:** React.js, Next.js, Astro.js, TailwindCSS, Django, NumPy

**Technologies:** Git, GitHub, PostgreSQL, AWS S3, TinaCMS, Linux, Unreal Engine, Jira

**Topics:** Full-Stack Development, Robotics, Relational Databases, UI/UX, Game Development, Agile

## EDUCATION

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### 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

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### Programming Mentor

**May 2024 - Present**

FIRST Robotics Competition Team 294

Redondo Beach, CA

- Teach high school students about Java and GitHub for robot programming and web development.
- Use PIDs, 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 distributing surveys in American Sign Language (ASL).
- Conducted an unmoderated user study with 30 Deaf participants to evaluate the tool's usability.