

# Jenna Tripoli

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## EDUCATION

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**Worcester Polytechnic Institute**

**Graduating May 2024**

**M.S. Computer Science**

**4.00 GPA**

**B.S. Computer Science**

**3.96 GPA**

**Minor:** Interactive Media and Game Development (IMGD)

**Societies:** Upsilon Pi Epsilon, Chi Omega, Order of Omega, Rho Lambda

**Awards:** Academic Dean's List, IMGD Junior Student of the Year

## SKILLS

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**Software:** JavaScript, React, SQL, CSS, HTML, Java, C++, R, Python, C, Kotlin, Git, Unreal Engine

**Topics:** Full-Stack Development, Human-Computer Interaction, UI/UX, Game Development, Robotics

## WORK EXPERIENCE

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**Software Engineering Consultant** | ASL Education Center

**Jan 2024 - Present**

- Contribute to the design and creation of new and innovative ASL-centric online platforms.
- Focusing on responsive front-end design and development with JavaScript, React, and CSS.

**Student Teaching Assistant** | Worcester Polytechnic Institute

**Mar 2022 - Dec 2023**

- Staff member for Database Systems (CS 3431) and Data Analysis for Game Design (IMGD 2905).
- Held weekly office hours to answer questions and review course topics on SQL, Python, and Excel.

**Technology Development Intern** | Optum

**Jun - Aug 2023**

- Enhanced an insurance claim management portal by implementing a data override system.
- Utilized React, Java, REST API, and SQL while working as a full-stack developer on a DevOps team.
- Regularly presented development progress to non-technical business members of the company.

## PROJECTS

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**Developer and Researcher** | ASL Survey Tool

**Aug 2023 - Present**

- Made a platform for creating and distributing surveys based in American Sign Language (ASL).
- Utilized JavaScript, React, CSS, Python, AWS, and a PostgreSQL database for code development.
- Used no written text and instead fully relied on video content, non-textual elements, and visual cues.
- Designed color indicators compliant with WCAG and USWDS contrast and system token standards.
- Conducted an unmoderated user study with the survey tool to evaluate its functionality and usability.

**Front-End Developer** | Study Buddy

**Sept - Oct 2022**

- Developed an Android application in Kotlin with XML and SQLite for studying custom flashcards.
- Created and implemented the entire user interface, along with animations and page navigation.

**Software Team Lead** | FIRST Robotics Competition Team 294

**Jan 2017 - Mar 2020**

- Coded PIDs, motion profiling, and vision processing for teleoperation and autonomous routines.
- Designed the driver control system with joysticks, handheld controllers, and on-screen modules.
- Led the Software Sub-Team by organizing tasks and teaching fellow students Java and GitHub.