

# Jenna Tripoli

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## EDUCATION

**WORCESTER POLYTECHNIC INSTITUTE (WPI)**

**Graduating May 2024**

**M.S. Computer Science**

**4.0 GPA**

**B.S. Computer Science, Game Development Minor**

**3.95 GPA**

- **Relevant Courses:** Software Engineering, Operating Systems, Artificial Intelligence, Algorithms, Database Systems, Human-Computer Interaction, Mobile Computing, Technical Game Development
- **Memberships:** Upsilon Pi Epsilon, Chi Omega Women's Fraternity, Order of Omega, Rho Lambda

## SKILLS

### LANGUAGES/FRAMEWORKS:

- ★★★ Java, C++, Python, R, SQL
- ★★☆ JavaScript, React, CSS, HTML
- ★☆☆ C, Kotlin, XML, Assembly

### OTHER TOPICS:

GitHub, Unreal Engine 4/5, AWS, REST APIs, full-stack development, application UI design, robotics, data science, game development

## PROJECTS

**Researcher and Developer, *Novel Sign Language Technology***

**Aug 2023 - Present**

- Collaborate with other students in the WPI Human-Computer Interaction Lab to investigate and develop technology that uses American Sign Language (ASL) for primary communication.
- Researching accessible and adaptive design methods to contribute to online education platforms.
- Improving ASL survey tools through the iterative design process, using React and PostgreSQL.

**Lead Front-End Developer, *Crowdsourced Funding***

**Oct - Dec 2022**

- Built a JavaScript/React application with an AWS server for creating crowdsourcing projects.
- Developed page navigation, user input handling, Lambda function synching, and UML diagrams.

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

**Jan 2017 - Mar 2020**

- Coded control schemes, mechanisms, safety interlocks, and autonomous routines in Java.
- Implemented PID controls, motion profiling, and vision processing for award-winning robots.
- Led the Software Sub-Team by organizing tasks and teaching younger students coding skills.

## WORK EXPERIENCE

**Student Assistant, *WPI Computer Science Department***

**Mar 2022 - Present**

- Member of teaching staff for Database Systems and Data Analysis for Game Development.
- Hold office hours to answer questions and review course topics like SQL, Python, and Excel.

**Technology Development Intern, *Optum***

**Jun - Aug 2023**

- Enhanced insurance claim management portal UI by implementing a data override system.
- Worked in full-stack development, using JavaScript, React, Java, SQL, and a REST API.
- Collaborated with other interns and engineers in an Agile DevOps Software Engineering team.

**Website Developer, *WPI Research Labs***

**Jun - Aug 2022**

- Created custom CSS/HTML website designs for WordPress and templates for contributors.