

# Jenna Tripoli

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

## EDUCATION

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**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
- **Activities:** Upsilon Pi Epsilon, Chi Omega, Order of Omega (Treasurer), Rho Lambda, Tour Guide
- **Honors:** Game Development (IMGD) Junior Student of the Year, Dean's List

## SKILLS

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### LANGUAGES & LIBRARIES:

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

### OTHER TOPICS:

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

## PROJECTS

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

**Aug 2023 - Present**

- Work with other students and researchers to continue the development of an ASL survey tool.
- Implement UI changes and backend restructuring based on user studies and collaborator feedback.
- Use JavaScript, React, Python, AWS, and a PostgreSQL database for application development.

**Lead Front-End Developer, *Virtual Consignment Site***

**Sept 2023 - Present**

- Building a JavaScript/React application with AWS hosting for an online consignment site.
- Working on application design, user input handling, JSON payloads, synching, and class diagram.

**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

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**Student Teaching 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.