Jenna Tripoli

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

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 & LIBRARIES:
★★★   JavaScript, R, SQL, HTML
★★☆   Java, React, Python, C++, CSS
★☆☆   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**
- Work with other students to continue the development of an ASL-centric survey tool.
- Implement UI changes based on feedback from past user studies and the ASL Education Center.
- Add centralized media storage and user accounts with AWS to make surveys publicly accessible.
- Use JavaScript, React, Python, AWS, and a PostgreSQL database for application development.

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.