Jenna Tripoli

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EDUCATION

Worcester Polytechnic Institute   **Graduating May 2024**
B.S. / M.S. Computer Science, Game Development Minor   **3.96 GPA**
- **Relevant Courses:** Software Engineering, Operating Systems, Artificial Intelligence, Algorithms, Database Systems, Human-Computer Interaction, Technical Game Development, Game Design
- **Memberships:** Upsilon Pi Epsilon, Chi Omega, Order of Omega, Rho Lambda, Tour Guide
- **Honors:** Game Development Junior Student of the Year, Dean's List

SKILLS

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

SOFTWARE & TOPICS:
GitHub, Unreal Engine 4/5, AWS
Full-Stack Development, Game Development,
Human-Computer Interaction, Robotics

PROJECTS

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 sponsor feedback.
- Use JavaScript, React, Python, AWS, and a PostgreSQL database for application development.

Front-End Developer, *Study Buddy*   **Sept - Oct 2023**
- Developed an Android application for studying with custom flashcards and using a study timer.
- Used Kotlin with Android Studio, along with XML page designs and an SQLite database.
- Made application design, flashcard animations, pop-ups, page navigation, and user input handling.

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 Teaching Assistant, *WPI Computer Science*   **Mar 2022 - Present**
- Member of teaching staff for Database Systems and Data Analysis for Game Development.
- Hold office hours to answer project 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 full-stack, using React, Java, REST API, and SQL.
- Collaborated with other interns and engineers in an Agile DevOps team.

Website Developer, *WPI Research Labs*   **Jun - Aug 2022**
- Created custom CSS and HTML websites and templates in WordPress for research groups.