Jenna Tripoli

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EDUCATION

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

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

Software Engineering Consultant | ASL Education Center   **Jan 2024 - Present**
- Contribute to the design and creation of new and innovative ASL-centric education platforms.
- Restructure an ASL-centric survey tool application to use React and be organized with components.
- Work with JavaScript, React, and CSS to be integrated with the back-end Python and Django API.

Student Teaching Assistant | WPI Computer Science   **Mar 2022 - Dec 2023**
- Staff member for Database Systems (CS 3431) and Data Analysis for Game Design (IMGD 2905).
- Held office hours to answer questions and review course topics in SQL, Python, and Excel.

Technology Development Intern | Optum   **Jun - Aug 2023**
- Enhanced insurance claim management portal UI by implementing a new data override system.
- Utilized React, Java, REST API, and SQL to improve the application as a full-stack developer.
- Collaborated with other interns and engineers at other offices in a DevOps team environment.

PROJECTS

Developer and Researcher | ASL Survey Tool   **Aug 2023 - Present**
- Work with other researchers to continue the development of an online ASL-centric survey tool.
- Use JavaScript, CSS, Python, AWS, and a PostgreSQL database for application code development.
- Research and implement new UI designs to create visual feedback and improve user experience.
- Conduct a user study with Deaf participants to assess product usability and advise future research.

Front-End Developer | Study Buddy   **Sept - Oct 2022**
- Developed an Android application in Kotlin with SQLite for making and studying flashcard sets.
- Created and implemented the entire user interface, along with animations and 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.