

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

Languages: JavaScript, React, SQL, CSS, HTML, Java, C++, R, Python, C, Kotlin

Software: Git, Unreal Engine 4 and 5, Amazon Web Services S3, Ubuntu, Docker

Topics: Full-Stack Development, Human-Computer Interaction, UI/UX Design, Game Development

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.
- Designed and implemented the entire user interface, along with animations and navigation.

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.

Software Team Lead | FIRST Robotics Competition Team 294

Jan 2017 - Mar 2020

- Coded PIDs, motion profiling, and vision processing for teleoperation and autonomous routines.
- Led the Software Sub-Team by organizing tasks and teaching fellow students Java and GitHub.