

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, SQL, CSS, HTML, React, Java, C++, R, Python, C, Kotlin

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

Topics: Full-Stack Development, Human-Computer Interaction, Data Science, Game Development

PROJECTS

Researcher and Developer | Novel Sign Language Technology

Aug 2023 - Present

- Work with other researchers to continue the development of an online ASL survey tool.
- Implement designs and changes based on past user studies and sponsor feedback.
- Use JavaScript, React, CSS, Python, AWS, and a PostgreSQL database for development.
- Conduct a user study to assess product usability and advise future research.

Front-End Developer | Study Buddy

Sept - Oct 2022

- Developed an Android application in Kotlin for making and studying custom flashcard sets.
- Designed and implemented the entire user interface, along with animations and navigation.
- Used a relational database with SQLite to store and load user-entered flashcard data.

EXPERIENCE

Software Engineering Consultant | ASL Education Center

Jan 2024 - Present

- Contribute to the design and creation of innovative ASL-centric education platforms.
- Create interfaces in JavaScript and CSS to be integrated with React and the back-end 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 data override system.
- Worked full-stack, utilizing React, Java, REST API, and SQL to improve the application.
- Collaborated with other interns and engineers in an Agile DevOps collaborative 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.