JENNA TRIPOLI

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EDUCATION

WORCESTER POLYTECHNIC INSTITUTE   **Graduating May 2024**
M.S. Computer Science (Prospective), B.S. Computer Science   **3.95 GPA**
Minor in Interactive Media and Game Development (IMGD)
- **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

CODE DEVELOPMENT:
- ★★★ Java, C++, Python, HTML
- ★★☆ SQL, JavaScript, React.js, R, CSS
- ★☆☆ C, Kotlin, XML, Assembly, AWS

SOFTWARE & TOPICS:
Unreal Engine 4/5, GitHub, Visual Studio Code, Visual Studio 2019, Eclipse, IntelliJ, Android Studio, DBeaver, Postman, Excel, Data Science, Game Development, Robotics

EXPERIENCE

Technology Development Intern, *Optum*   **Jun - Aug 2023**
- Enhance insurance claim management portal UI through implementing a data override system.
- Work with Java, React, SQL, and Rest API in an Agile DevOps Software Engineering team.

Student Assistant, *Data Analysis for Game Development*   **Mar 2022 - May 2023**
- Taught students how to use Excel and Python with Jupyter Notebook for in-depth data analysis.
- Held office hours to work individually with students and gave detailed feedback on project reports.

Website Developer, *Worcester Polytechnic Institute*   **Jun - Aug 2022**
- Made websites for research labs to publicize their findings and media on the internet.
- Developed custom CSS/HTML designs for WordPress and templates for website contributors.

PROJECTS

Lead Front-End Developer, *Crowdsourced Funding*   **Oct - Dec 2022**
- Built JavaScript/React application with an AWS server for crowdsourcing projects.
- Developed page navigation, handling of user input, Lambda function synching, and UML diagrams.

Front-End Developer, *Study Buddy*   **Sept - Oct 2022**
- Used Kotlin and XML in Android Studio to create a mobile application for custom study tools.
- Created UI design, animations, study plan timer, page navigation, and saving user input.

Software Team Lead, *FIRST Robotics Competition Team 294*   **Jan 2017 - Mar 2020**
- Coded control schemes, various mechanisms, safety interlocks, and autonomous routines in Java.
- Implemented PID controls, motion profiling, and vision processing for complex functionality.