

# JENNA TRIPOLI

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## EDUCATION

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### WORCESTER POLYTECHNIC INSTITUTE

Graduating May 2024

#### M.S. Computer Science

4.0 GPA

#### B.S. Computer Science, Game Development Minor

3.95 GPA

- **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

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### CODING LANGUAGES:

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

### DEVELOPMENT TOOLS:

- Unreal Engine 4/5, GitHub, Visual Studio Code, Visual Studio 2019, Eclipse, IntelliJ, R Studio, SQLite, Android Studio, DBeaver, Postman, Excel

## EXPERIENCE

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### Technology Development Intern, *Optum*

Jun - Aug 2023

- Enhanced insurance claim management portal UI by implementing a data override system.
- Worked full-stack, using a REST API to connect React frontend to Java and SQL backend.
- Collaborated with other interns and engineers 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

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### Lead Front-End Developer, *Crowdsourced Funding*

Oct - Dec 2022

- Built JavaScript/React application with an AWS server for crowdsourcing projects.
- Developed page navigation, user input handling, 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, 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.