

JENNA TRIPOLI

Redondo Beach, CA • jntripoli@wpi.edu • (310) 780-6785 • Portfolio: jennatripoli.github.io

EDUCATION

WORCESTER POLYTECHNIC INSTITUTE

B.S. Computer Science, B.S. Interactive Media & Game Development

Aug 2020 - May 2024

3.94 GPA, Dean's List

- **Relevant CS Courses:**

- Software Engineering
- Operating Systems
- Artificial Intelligence
- Database Systems I
- Algorithms & Analysis of Algorithms
- Human-Computer Interaction
- Mobile & Ubiquitous Computing
- Machine Organization & Assembly

- **Relevant IMGD Courses:**

- Technical Game Development I & II
- Advanced Quest Logic & Level Design
- Data Analysis for Game Development
- Design of Tabletop Strategy Games
- Digital Imaging & Computer Art
- Game Audio I

SKILLS

CODING LANGUAGES:

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

OTHER TOPICS:

Visual Studio Code, Visual Studio 2019, Eclipse, Android Studio, GitHub, Unreal Engine 4/5, Excel, Data Analysis, Robotics (PIDs, Controls, Autonomous Routines)

PROJECTS

Lead Front-End Developer, *Crowdsourced Funding*

Oct - Dec 2022

- Skills: JavaScript, React, AWS, GitHub
- Developed page navigation, handling user input, and Lambda function synching.
- Made API design, UML diagram, storyboards, and use cases for detailed project structuring.

Front-End Developer, *Study Buddy*

Sept - Oct 2022

- Skills: Kotlin, XML, Android Studio, GitHub
- Created UI design, flashcard animations, study plan timer, page navigation, and handling user input.

Tech Team, *Rowdy Raccoon*

Mar - May 2022

- Skills: Unreal Engine 4, GitHub
- Used Blueprints to make save states, score calculations, interactions with objects, and UI design.

Software Lead, *FIRST Robotics Competition*

Jan 2017 - Mar 2020

- Skills: Java, Visual Studio Code, Eclipse, GitHub
- Coded control schemes, various mechanisms, safety interlocks, and autonomous routines.
- Implemented PID controls, motion profiling, and vision processing for complex robot functionality.
- Taught Java to new students, organized the Software Sub-Team, and operated robot at competitions.

WORK EXPERIENCE

Web Developer, *HCI Lab & RET Program*

Jun - Aug 2022

- Created websites for research labs to publicize their findings and media.
- Developed custom CSS and HTML designs for WordPress, along with templates for website contributors.

Teaching Assistant, *Data Analysis for Game Development*

Mar - May 2022

- 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.

ACTIVITIES

Recruitment Assistant, Chi Omega (Sorority)
Treasurer, Order of Omega (Greek Honor Society)

Upsilon Pi Epsilon (Computer Science Honor Society)
Rho Lambda (Sorority Leadership Society)