JENNA TRIPOLI

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EDUCATION

WORCESTER POLYTECHNIC INSTITUTE   **Aug 2020 - May 2024**
B.S. Computer Science, B.S. Interactive Media & Game Development
- 3.94 GPA. Dean's List every semester.
- Societies: Upsilon Pi Epsilon, Chi Omega, Order of Omega (Treasurer), Rho Lambda
- Relevant CS Courses:
  - Software Engineering
  - Operating Systems
  - Analysis of Algorithms
  - Mobile & Ubiquitous Computing
  - Human-Computer Interaction
  - 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

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

OTHER:
Visual Studio Code, Visual Studio 2019, Eclipse, Android Studio, GitHub, Unreal Engine 4 & 5, Excel, Photoshop, Robotics, Data Analysis

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 and programs to publicize their findings/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.