JENNA TRIPOLI

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

EDUCATION

WORCESTER POLYTECHNIC INSTITUTE   **Aug 2020 - May 2024**
B.S. Computer Science, B.S. Interactive Media & Game Development   **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
  - Ethics of Creative Artificial Intelligence
  - Game Audio I

SKILLS

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

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

Teaching Assistant, *Data Analysis for Game Development (D '22, D '23)*   **Mar 2023 - Present**
- 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.

Web Developer, *HCI Lab & RET Program*   **Jun - Aug 2022**
- Created websites for research labs to publicize their findings and media on the internet.
- Developed custom CSS and HTML designs for WordPress, along with templates for website contributors.

ACTIVITIES

Recruitment Assistant, Chi Omega (Sorority)   **Upsilon Pi Epsilon** (Computer Science Honor Society)
Treasurer, Order of Omega (Greek Honor Society)   **Rho Lambda** (Sorority Leadership Society)