

Maxwell Glynn Wainwright

mwainwright@wpi.edu | 310-795-9588 | maxwellwainwright.info

EDUCATION

Worcester Polytechnic Institute (WPI), Worcester MA

Expected Graduation: 2028

- Bachelor of Science in **Computer Science** and **Interactive Media and Game Design (IMGD)**
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EXPERIENCE

Game Developer: G-Force Studios

2024

- Developed a **mobile game prototype**, working closely with veteran game developer **Nolan Bushnell**.
- Built core game mechanics in **Unity** using **C#**.
- Contributed to iterative design processes and rapid prototyping for gameplay systems.

Hackathon Winner – Hack The Wave San Diego

2023

- Won **first place** among 50+ participants by designing the backend of a website using **Python**.
 - Created image **recognition system** that matched images from a real database using a **custom Python library**.
 - Collaborated with front-end developers to integrate the system into a **seamless user experience**.
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SKILLS

- **Game Development:** Unity (C#), Unreal Engine (Blueprints & C++)
 - **3D Art and Asset Creation:** Blender, ZBrush, Autodesk Maya
 - **Programming:** Java, Python (Machine Learning, Image Recognition)
 - **Networking:** Client-server architecture in C#, multiplayer game systems
 - **Machine Learning:** Design and implementation of algorithms in Python
 - **Tools:** Git, Visual Studio, Trello
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PROJECTS

Fighting Game Prototype

2023

- Developed a 2D fighting game prototype to deepen knowledge in IMGD and programming, **collaborating** with an experienced **game industry professional**.
- Implemented fully designed game mechanics with a **Minimum Viable Product** approach before starting development, focused on balancing and fluidity of combat.
- Integrated a **custom animation manager** with a **tree data structure** to handle complex button combos and special inputs.

2D Top-Down Roguelike

2023

- **Led a team** of developers, designers, and artists to create a dungeon crawler game for a university summer class, collaborating with them to ensure cohesive gameplay and art integration.
- Developed the **core player motion** and **enemy AI systems**, and worked on balancing gameplay for smooth and fair player experience.

Multiplayer Puzzle Game

2023

- Built a **physics-based character controller** integrated with a **custom active ragdoll system**.
- Implemented **server-client multiplayer** functionality for seamless networked gameplay.
- Designed puzzle levels with interactive elements for collaborative multiplayer problem-solving.