Matthew Gormsen

SUNY Canton Game Design and Development Graduate

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PROJECTS

Programmer and Designer – Project Descent
05/2024 - Ongoing

An indie fps, dungeon crawler with roguelike elements, designed and developed, using C++ and blueprint in the Unreal 5 Engine.

- Programmed finite state machine game AI in C++
- Developed a dynamic weapon system in C++, allowing for weapons to be easily added and removed from the project as needed
- Developed a procedural level generation system, that both allows for rooms to be easily added and removed as needed, and can generate dungeons from small to giant.

EXPERIENCE

Lead Programmer and Designer – Capstone Project

09/2023 - 05/2024

Programmed and designed an isometric squad-based tactics mech game prototype using C++ and blueprint in the Unreal 5 engine.

- Programmed and designed the game's AI to keep the player engaged and guessing what the enemy might do next.
- Designed and programmed a practical UI for the prototype, allowing for a better player experience.
- Programmed a C++ script to manage and create a dynamic turn order that could add and remove units from it while sorting itself to ensure the order remained correct.

Shipping/Stocking Associate – *Rainbow Shops*
06/2024 - Ongoing, Rainbow, Central Islip, NY

- Unpackaged, tagged and alarmed new clothing
- Received shipments, organized and sorted clothing

EDUCATION

SUNY Canton, New York — *Bachelor of Science, Game Design and Development, Summa Cum Laude*
08/2020 - 05/2024

SUNY Canton, New York — *Minor in History*
09/2022 - 05/2024

SUNY Canton, New York — *Minor in Writing and Communication*
09/2022 - 05/2024

SUMMARY

Enthusiastic and innovative programmer with a passion for game development and a strong desire to create engaging gaming experiences. Experienced in designing and programming games with a focus on advanced AI implementation, user interface design, and dynamic game mechanics.

SKILLS

- Unreal Engine 5, C++
- Unity, C#
- Godot, Gdscript
- Python
- Java
- Github, Git

LINKS

Portfolio –
https://mwgormsen.wixsite.com/website

LinkedIn –
https://www.linkedin.com/in/matt-gormsen-a23b81236/

GitHub –
https://github.com/RedTuna614

PASSIONS

- Programming
- Dungeons and Dragons
- Gaming
- 3D Printing
- Robotics
- History