Grant MacMillan

linkedin.com/in/grantmacmillan/ | GitHub: grantmacmillan | +1-647-456-9232 | grant.macmillan94@gmail.com

SKILLS

Technical Skills: C#, Unity, Unreal Engine 4, C++, Javascript, HTML, Git, Linux, Troubleshooting, Computer Hardware, Building Computers, Blender.

Interpersonal Skills: Communication, Customer Service, Leadership, Collaboration, Problem-solving.

PROJECTS

Origins' Fall - *Programming Lead*   *12/2021*
C# / Unity 2D
- 2D Vertical Side Scroller.
- Contributed heavily to enemy movement, damage systems, and level design.
- Implemented levels such that the levels gradually got more difficult for the player, while also introducing the player to new mechanics and obstacles.
- Implemented UI elements, sound effects, and audio.

Served Up - *Programming Lead*   *04/2023*
C# / Unity 3D
- 3D saloon management game.
- Implemented Customer pathfinding algorithm to ensure customers maneuvered the saloon as expected.
- In charge of customer pathfinding, customer spawning, drink combinations and UI.
- Contributed to ordering systems, and customer queue systems.
- Implemented full animations to customers including walk, sit, stand, and drinking.

Sneak - *Level Designer - Programming Lead*   *12/2022*
C# / Unity 3D
- 3D First Person Shooter, made with Unity URP and the new Unity input system.
- Lead development of enemy AI, level design, lighting, and objective system.
- Implemented enemy state machine for Idle, Wandering, Chasing, and Attacking states.
- Contributed to user interface design, art, sound and animation.

DO-EDU - *Project Manager - Programming Lead*   *12/2022*
Javascript / Android Studio
- Mobile application for academic planning.
- Implemented task board functionality, consisting of adding and editing tasks.
- Designed and implemented user interface, and color scheme.
- Lead a team of 8 members and filed weekly progress reports.

EDUCATION

Centennial College   **Scarborough, Ontario**
Advanced Diploma of Game Programming, with Honours   *04/2023*
- 1st winner of the 2023 Marion Surgical Hackathon.

WORK EXPERIENCE

No Frills   **Stouffville, Ontario**
Closing Manager   *06/2018 to present*
- Resolved customer service issues.
- Responsible for training and managing new employees.
- Managed and organized inventory to optimize product sales.