

Dmitry Portnoy

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www.medievaltech.com

Skilled and versatile game and graphics engineer with experience developing games on a wide variety of platforms.

Education

Carnegie Mellon University	Pittsburgh, PA
Master of Entertainment Technology	Expected May 2024
Bachelor of Science – Computer Science	May 2010

Skills

Languages:	C#, C/C++, Java, Python, Go, JavaScript, HTML5
Libraries/Tools:	Unity, Unreal Engine, Vulkan, OpenGL 4, Android

Projects

Hysteria in Howlsbend - ChatGPT-powered interrogation game built in a semester, on a 5-person team
Programmer | Game Designer Spring 2023

- Implemented the game logic in Unity and wrote the ChatGPT interface to create NPC dialog

2-week prototypes developed in 5-man teams using Unity, as part of my Master's program

Programmer | Game Designer Fall 2022

- Dragon Rider - The player flies a dragon in VR, while sitting in a special chair with haptic feedback
- One Wrong Look – Tobii eye-tracking game in a saloon, where the player gets the waiter's attention
- Cooking Tycoon – A cooking VR game w/ hand-tracking where the player prepares a series of recipes

Personal Projects

- Multiplayer collectible card game, 3-person dev team - Unity 3D, Go backend
- 3D space combat game / graphics engine - Vulkan, SDL2, C++

Professional Experience

Software Engineer Intern – Alice Project May – August 2023

- A game engine and block-based programming environment designed to teach kids programming
- Java, Maven, Unity

Software Engineer - Ghostpunch Games, LLC November 2021 – May 2023

- Multiplayer VR experience with a virtual DJ – Unreal Engine, Quest 2
- Fortnite Creative and Unreal Editor for Fortnite (Contractor for Epic Games)

3D Graphics Engineer - Futurewei June 2020 – October 2021

- 3D graphics library - C++ and Vulkan, supports PBR and VRS
- Android app-streaming framework - Based on open source scrcpy and AOSP projects

Software Engineer - Verizon Media June 2015 – May 2020

- AOL Video OTT Apps - Video streaming app for web, Android, Alexa, Xbox 360, and PS4
- CMS used by all AOL Video apps - Written in HTML5 and AngularJS