**Dmitry Portnoy** Phone: (301) 908-3259

Email: [dmp1488@gmail.com](mailto:dmp1488@gmail.com)

Skilled and versatile game and graphics engineer with [www.medievaltech.com](http://www.medievaltech.com/)

experience developing games on a wide variety of platforms.

**Education**

Carnegie Mellon University (CMU) Expected May 2024

Master of Entertainment Technology Pittsburgh, PA

Carnegie Mellon University May 2010

Bachelor of Science – Computer Science Pittsburgh, PA

**Skills**

**Languages:** C/C++, Java, C#, 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++
* Battlegrounds (2D MOBA prototype) - Allegro, C++

## Professional Experience

Ghostpunch Games, LLC November 2021 – Present

**Software Engineer** Sunrise, FL

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

Futurewei June 2020 – October 2021

**3D Graphics Engineer** Santa Clara, CA

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

Verizon Media June 2015 – May 2020

**Software Engineer** Dulles, VA

* 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