



Mauro Deryckere

Student Game Development

Looking for an end of study internship as a Game Engine Developer or Graphics Programmer

Education

Digital Arts & Entertainment

Bachelor's degree, Game Development
Howest Kortrijk 2022-2026

- Modern C++ & Vulkan.
- Prototyping and group projects in Unity and Unreal Engine.
- Project and task planning, and scoping (HacknPlan, Miro).

Sint-Jozefscollege

High school degree, Computer & Information Sciences
Sint-Rembert Torhout 2020-2022

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Portfolio

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About Me

Hi, I'm Mauro. I have experience with modern C++ and Vulkan, and I constantly explore new techniques in GPU programming, multi-threaded systems, and game engine architecture. Additionally, I've worked with different profilers and debug software while working on my 3D engine to expand my skillset further.

Projects

2025-
PRESENT

3D Game Engine

Game Engine Developer & Graphics Programmer

A custom 3D game engine in C++, using Vulkan and SDL3.

- Rendering pipeline using Vulkan.
- Debug Rendering pipeline (render shapes).
- Event system.
- Input system that easily allows binding actions to keybinds.

2025

Bumpurr Cars

Game Developer

A game made in Unreal Engine with 2 other programmers and 3 artists.

- Developed different gameplay systems: Power-up & hazard spawning, score system, and made sure they're easily modifiable in blueprints.
- Worked on arcadey physics for the bumper cars using Unreal Engine's physics engine.
- Improved my soft skills and Perforce source control abilities by working with other developers.

2024-2025

Maze Crusade

Game Developer

An Assembly 6502 (NES) game that runs on the real hardware!

- Low-level programming in 6502.
- Created a deeper understanding of memory management, algorithms, and data structures.

Tools

C++

- Experience with modern C++ (23).
- Worked with libraries and frameworks like SDL2 & 3, Vulkan, entt, DirectX, and ImGui.
- Studied and applied the C++ core guidelines.

Unreal Engine

- Experienced with Unreal Engine 5 C++, used the physics engine and the gameplay ability system.

Source control (Git, Perforce)

- Unreal Engine source control with Perforce.
- Github source control for various C++ projects.