

Francesc Teruel

+34 646 74 54 50 | francesc.tr03@gmail.com | linkedin.com/in/francesc-teruel-rodriguez | github.com/francesctr4

SUMMARY

I'm a software engineer with a strong passion for game development, specializing in game engine architecture, graphics programming and performance optimization. Outside of games, I enjoy building cross-platform software, with careful attention to managing dependencies and delivering the highest quality.

TECHNICAL SKILLS

Development Environments: Visual Studio, VS Code, CLion

Programming Languages: C, C++, C#

Cross-Platform Development: CMake, vcpkg

Graphics APIs: OpenGL, Vulkan (+ GLSL)

Game Engines: Unity, Unreal, Proprietary

Other Skills: Git, SQL, Figma, Agile

PROJECTS

Nous Engine

Engine Programming

July 2024 – July 2025

C++, SDL2, Vulkan, Multithreading, ...

- Bachelor's Thesis for the Video Game Design and Development degree
- Enhancing Software Performance through Multithreading and Parallel Programming Techniques
- Multithreaded Vulkan Game Engine using a thread-based Job System

Alien Extraction

Game Development

Feb 2024 – June 2024

C++, SDL2, OpenGL, Bullet, Wwise...

- Game developed by 35 students in 4 months using my custom game engine
- Managed the code department and the technology used as the Code Lead of the team
- Contributed on Resources, Shaders, Materials, Lighting and Performance

EXPERIENCE

Software Developer

Volkswagen Group Services

25 August 2025 – Currently

Martorell, Spain

- HMI Kombi Development (Engineering Services / HMI Infotainment)

Product Builder Intern

Payfit

23 Sept 2024 – 21 March 2025

Barcelona, Spain

- Low-Code, in-house software "JetLang", UX/UI, Payroll automation, JIRA

Package Technical Operator

Decathlon

3 July 2023 – 31 Aug 2023 & 3 July 2024 – 31 Aug 2024

Sant Esteve Sesrovires, Spain

- Putaway, Picking, Sortation and Packing

EDUCATION

Centre de la Imatge i la Tecnologia Multimèdia – CITM (UPC)

University Degree in Video Game Design and Development

Terrassa, Spain

Sept 2021 – July 2025

INS Joan Oró

Scientific and Technological Baccalaureate

Martorell, Spain

Sept 2019 – June 2021