



CONTACT

☎ +34 657 40 18 33

✉ raulmedinamartinez.2001@gmail.com

📍 Av. Ntra. Sra. de Montserrat, 25, 3º 1ª, 08397 Pineda de Mar, Barcelona

PERSONAL PROFILE

I am a passionate Computer Engineering graduate with a strong academic foundation and practical skills in software development and problem-solving.

My academic experiences and hands-on projects have cultivated my ability to collaborate effectively, tackle technological challenges creatively, and learn independently and efficiently.

TECHNOLOGY

- C++
- OpenGL
- Git
- Unreal Engine
- Godot
- Unity

LANGUAGES

Spanish

Native level

Catalan

Native level

English

B2 level awarded by the Cambridge First Certificate in English (FCE)

Raúl Medina

Computer Engineer

PROJECTS

Godot Plugin

2025

Procedural TileMap Generator

This project was developed as my Bachelor's thesis project. It focuses on applying generative algorithms to video game development and contributing to free, open-source software by adapting and implementing the Wave Function Collapse algorithm for use with the Godot open-source engine through the development of a C++ plugin.

Unity Game

2024

Hamptem the Hamster

Our submission video game to a popular Spanish game jam called *Mermelada Jam*. A polished infinite runner made in just 3 days using Unity, where I participated as the main programmer, being in charge of the gameplay, camera and some general systems.

WORK EXPERIENCE

Computer Engineer

2024

Capgemini

I joined as an intern and carried out the following tasks:

- Learning and utilizing the Appian BPM platform.
- Developing and designing interfaces, business rules, process modeling, and logic gates.
- Database administration, including creating views and procedures using MySQL.
- Project structuring, client interaction, and implementation of work methodologies.

EDUCATION

Bachelor's degree in Informatics Engineering

2020 - 2025

Universidad Politècnica de Catalunya

With a major in Computation, I focused on the scientific and technical traits involved in different computing challenges, such as:

- Algorithms.
- Graphics.
- Artificial Intelligence.

ESTALMAT project

2013 - 2015

Real Academia de Ciencias Exactas, Físicas y Naturales

I participated in ESTALMAT, a project aimed at identifying and nurturing exceptional mathematical talent among only 25 students aged 12-13 across Catalonia, through a weekly three-hour mentoring program.