



JOAN CASAHUGA ALTIMIRAS

COMPUTER SCIENCE ENGINEER

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WORK EXPERIENCE

Holaluz | Barcelona | 2022 - 2024 | Intern
Company focused on innovative green energy solutions.
Handled the collection and visualization of events for both the web and app analytics, which led to valuable insights for the product and business teams.

Tools: GA4 | Looker Studio | Datadog | Vue.js | TypeScript

La Factoria d'Imatges | Cabrianes | 2019 | Intern
Company specialized in custom digital applications.
Collaborated in a small team using an internal tool to design and develop an educational app for schools.

EDUCATION

Higher Education - FIB UPC, Barcelona

2025 January Specialization in Computation

2020 September Average Mark 7.15

Secondary Education - Pius Font i Quer, Manresa

2020 June University Access Tests 11.85

2014 September Baccalaureate 8.25

ESO 7.4

Primary Education - Espill, Manresa

2014 June

2008 September

NOTABLE PROJECTS

Bachelor's Thesis — Research Project | 2024 - 2025

Developed an evaluation and simulation tool for traffic network monitoring, designed to support decision-making.

Tools: Unity | C#

Match Analysis Platform — Website | 2024

Built a full-stack web application with Steam API integration for real-time CS2 match tracking and post-game analysis.

Tools: React | Node.js | PostgreSQL

Switch Sides — Android Mobile Game | 2023

Produced an endless runner featuring upgrades, cosmetics, cloud saving, leaderboards, and dynamic quality adjustments.

Tools: Unity | C# | Google Play Games

Mobility Study — Research Project | 2020

Implemented a traffic simulation tool to assess a roundabout in Manresa and propose alternatives.

Tools: Blender | Unity | C#

CGTrader Artist — 3D Modeling | 2020 - Present

Design, create, and sell high-quality, textured 3D models following HDRP standards.

Tools: Blender | GIMP | Krita

LANGUAGES

ENGLISH - C1 Certificate

SPANISH - Native

CATALAN - Native

COMPETENCIES

Game Development



Unity and C#

Unreal Engine | Godot

Web Development



HTML | CSS | JavaScript

React | Node.js | PostgreSQL

MySQL | PHP | Ionic

Mobile Development



Flutter | Ionic

Software Development



C++ | Python | Java

TypeScript | Haskell | Prolog

Machine Learning / Data Science



RStudio | Jupyter

Pandas | NumPy | SciPy

PyTorch | TensorFlow

Creation Tools



DaVinci Resolve | Fusion

Blender | GIMP | Krita

General



Docker | Git | GSuite

AWARDS

2nd Place - UPF Research Project Award

Applied Mathematics & Engineering 2020

3rd Place - UB Santander Award

Informatics 2020

Finalist - Lacetània Foundation Award

Scientific - Technological 2020

1st Place - Viquilletra Award

5th Edition Booktrailer 2018

HOBBIES

Cycling / Football / Chess / Reading
Ex-Leisure Monitor at Esplai Vic-Remei