

# **JOAN CASAHUGA ALTIMIRAS**

COMPUTER SCIENCE ENGINEER

#### **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

Specialization in Computation **2025** January Average Mark 7.15

2020 September

Secondary Education - Pius Font i Quer, Manresa

University Access Tests 11.85 **2020** June

Baccalaureate 8.25 2014 September

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



jcasahuga.com

GitHub

cgtrader

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# **LANGUAGES**

**ENGLISH** - C1 Certificate

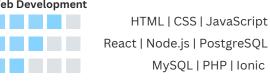
**SPANISH** - Native

**CATALAN** - Native

### COMPETENCIES

#### **Game Development**

Unity and C# Unreal Engine | Godot Web Development



#### **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**

**ESO 7.4** 

DaVinci Resolve I 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