

# RAFAEL CASTRO E SILVA

VIDEOGAME PROGRAMMER

📍 ALMADA, PORTUGAL

## PERSONAL PROFILE

Videogame programmer with a focus on Unity/C#, including the development of tools to aid game design within the game engine. Author of academic papers on PCG techniques. Interested in all areas of software development.

## AREAS OF EXPERTISE

- Working knowledge of C#, Python, Haxe.
- Unity Engine PC and AR mobile game development.
- Experience in HaxeFlixel, PyGame.
- Java experience.
- Git.

## PORTFOLIO



[rafaelcs-aula.github.io/portfolio/](https://rafaelcs-aula.github.io/portfolio/)



[github.com/RafaelCS-Aula](https://github.com/RafaelCS-Aula)



[researchgate.net/profile/Rafael-Castro-E-Silva/research](https://researchgate.net/profile/Rafael-Castro-E-Silva/research)

## WORK EXPERIENCE

### APPLICATION OF SAFETY FLOORING

**Magnus-Icon | Seasonal, July 2019 - August 2019**

- Worked with a team to apply flooring in outdoor playgrounds.
- Oversaw mixing of raw materials to produce the flooring.

### DEVELOPMENT OF CULTURAL GAME EXPERIENCE

**Lusófona University & Óbidos Municipality | Internship, July 2021 - Present**

- Work with a team to research and develop concepts for a game experience involving the town of Óbidos and its culture.
- Field and historical document research.
- Technological research on mobile AR techniques.

## GET IN CONTACT



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## EDUCATION HISTORY

### LUSÓFONA UNIVERSITY

**Bachelor in Computer Science, 2021**  
**Computer Games and Programming Skills**

- Developed several video game projects with a team of students.
- Author of two academic papers on a self-made Procedural Content Generation (PCG) algorithm.
- Developed videogame project with custom interfaces for individuals with motor disabilities.
- Extra class on Sound Production.
- One extra semester in "Cinema, Video and Multimedia Communication".

## OTHER SKILLS

- Fluent in Portuguese and English.
- Can research and implement good programming practices.
- Video editing and sound design.
- Microsoft Office.
- Creative problem solver.
- Experience with Linux operating system