



# Jesús Rioja Bravo

Computer Engineer & Videogame programmer

I am a responsible young man willing to learn new concepts and able to overcome different problems from distinct natures. Passionate about videogame development.

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🐙 [github.com/Jesus-Rioja](https://github.com/Jesus-Rioja)

## EDUCATION

### Computer engineering degree

University of Córdoba (UCO)

09/2015 - 10/2020

Córdoba

Courses

- Computing and Hardware specialized

### Videogame programming master

TheCore School

05/2022 - 03/2023

## PROJECTS

Member of GIRAOPA project. Focused on secure communications and integrity of data. (04/2021 - 02/2023)

Fiber and Microplastic detection algorithm (03/2021 - 04/2021)

ITH detection sensor with TTN connection (06/2021 - 07/2021)

NH3 and CO2 detection sensors (04/2021 - 06/2021)

"A Pilot Study on the Feasibility of Developing and Implementing a Mobile App for the Acquisition of Clinical Knowledge and Competencies by Medical Students Transitioning from Preclinical to Clinical Years " Article (09/2020 - 03/2022)

Multiple videogames developed on Unity & UES (07/2019 - Present)

Puzzles videogame on Unreal Engine 5 (Final project) (10/2022 - 03/2023)

Online fighting 1vs1 videogame (Unity + Photon) (06/2022 - Present)

## WORK EXPERIENCE

### Research support staff

UCO

03/2021 - Present

Córdoba

University of Córdoba (UCO)

Achievements/Tasks

- Giraopa group
- ITH Sensor for Covap
- NH3/CO2 Sensor for Covap
- Fiber and Microplastic detection on textiles with CETIM
- Research papers writing
- Co-Direction of Degree Final Projects

## SKILLS

Embedded Systems (Skillfull)

Edge Computing (Beginner)

The Things Network (Experienced)

LoRa WAN Protocol (Experienced)

IOT Communications (Skillfull)

C and C++ (Experienced)

C# (Skillfull)

Java(Skillfull)

Python (Skillfull)

PHP (Beginner)

HTML (Beginner)

SQL (Skillfull)

Matlab (Skillfull)

ORCAD (Beginner)

Cisco Packet Tracer (Skillfull)

Arduino (Experienced)

VHDL (Skillfull)

Unity (Skillfull)

UnrealEngine (Experienced)

Microsoft Office (Skillfull)

OpenCV (Experienced)

## LANGUAGES

English (Cambridge B2)

Full Professional Proficiency

Spanish

Native or Bilingual Proficiency

German

Elementary Proficiency

## INTERESTS

Software

Hardware

Programming

Robotics

Videogames

Music

Animals