Jesús Rioja Bravo

Computer Engineer

I am a responsible young man willing to learn new concepts and able to overcome different problems from distinct natures

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📍 Córdoba, Spain

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📱 689821575

🔲 jesriob.itch.io

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EDUCATION

Computer engineering degree
University of Córdoba (UCO)

09/2015 - 10/2020   *Córdoba*

Courses
- Computing and Hardware specialized

Online Videogame programming post-degree
TheCore School

05/2022 - Present

PROJECTS

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

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

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

NH_3 and CO_2 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 Engine for GameJams (itch.io)

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

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

WORK EXPERIENCE

Research support staff
UCO

03/2021 - Present   *Córdoba*
University of Cordoba (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