

JULEN INDIAS GARCIA

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PORTFOLIO <https://devjulen.github.io>

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Based in Malaga, Spain

EDUCATION

B.S. DEGREE IN INFORMATICS ENGINEERING - MENTION IN COMPUTER SCIENCE AND AI

University of the Basque Country (UPV/EHU), sept. 2016 – june. 2023

- **Relevant subjects:** Artificial Intelligence, Algorithm Design, Data Structures and Algorithms, 3D Modeling, Computer Graphics and Visualization and Virtual Environments.
- **Bachelor's Thesis (Finished):** One-Shot Convolutional Neural Networks for playing the game Cuphead.
 - Description: The thesis had the objective of using object detection algorithms and automatic data labeling methods for playing the game Cuphead without any human interaction.

ACADEMIC EXCHANGE (SICUE)

Universidad Politécnica de Madrid (UPM), sept. 2022 – feb. 2023

- **Relevant subjects:** Pattern Recognition in Data, Biocomputing, Quantum Computing, Software Engineering II and Mobile Programming.
- **Collaboration** in many group projects where I had to work with other classmates.

MASTER'S DEGREE IN GAME DESIGN AND PROGRAMMING

EVAD School, Málaga, oct. 2023 – dec. 2024

- **Master's Thesis (In progress):** Sacrum, a 2.5D short metroidvania experience
 - Description: In this project alongside other 2D and 3D classmates, the aim is to develop a short metroidvania based experience as our final Master's Thesis.

PROFESSIONAL EXPERIENCE

RESEARCH ASSISTANT (INTERNSHIP) | COMPANY: VICOMTECH | DEPARTMENT: EHEALTH AND BIOMEDICAL TECHNOLOGIES

San Sebastian, jun. 2022 – aug. 2022

- Research project using many Machine and Deep Learning methods to find patterns in Female subjects' data related to Breast Cancer.
- Data cleansing for later analyzing it using libraries such as scikit-learn or pandas.

TECHNICAL SKILLS

- **PROGRAMMING LANGUAGES:** Python, Java, C#, JavaScript, HTML/CSS, SQL.
- **LIBRARIES AND FRAMEWORKS:** TensorFlow, Keras, Scikit-learn, PyTorch.
- **VERSION CONTROL:** Git, GitHub, GitLab.

RELEVANT CLASS AND PERSONAL PROJECTS

LOCKED

A mystery and suspense First Person Puzzle game.

- Object interaction system
- Achievement system
- Translation system

SIEGE OF THE DEAD

Round-based zombie Twin-Stick-Shooter

- Shop system
- Three unique enemies
- Four unique weapons

LUNA'S RUN

2D Side-Scrolling Endless-Runner with platformer-like controls.

- Basic enemy Behaviour
- Ranking ladder implementation
- Persistent data storage system

SPANISH DELIGHT (PERSONAL PROJECT)

Add-on for the popular Farmer's Delight Minecraft mod

- New crafting and cooking recipes
- World generation features
- New foods

LANGUAGES

ENGLISH

Intermediate speaking level and high comprehension level.

SPANISH

Native level.

BASQUE

Native level.