# JULEN INDIAS GARCIA

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| **PORTFOLIO** | https://devjulen.github.io |
| **GITHUB** | https://github.com/DevJulen |
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# EDUCATION

### B.S. DEGREE IN INFORMATICS ENGINEERING - MENTION IN COMPUTER SCIENCE AND AI
University of the Basque Country (UPV/EHU)

· **Relevant subjects:** Artificial Intelligence, Algorithm Design, Data Structures and Algorithms, 3D Modeling, Computer Graphics and Visualization and Virtual Environtments.
· **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, in progress until 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. |