

SERGIO ABREU GARCÍA

GAME DEV



CONTACT

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ABOUT ME

I'm currently finishing my Videogame Development degree while looking for opportunities to grow as a professional. I'm specialized in programming, having worked mainly with Unity, C++ and Python.

I'm a curious person, so I also know a little about other topics such as web dev, AI, and cryptocurrencies.

EDUCATION

COMPLUTENSE UNIVERSITY OF MADRID

2016 - 2021 | Videogame Development degree (finishing this year)

PROJECTS

2021 PHYSICS-BASED ANIMATION THROUGH RL

Bachelor's final project

- Understanding the physics behind complex rigid-body systems
- Developing a deep neural network that achieves natural movement through reinforcement learning

2020 C++ ENGINE FROM SCRATCH

College project - Main programmer

- Game engine developed from scratch in C++ using Ogre3D, Bullet Physics, SDL, FMOD and CEGUI.
- I was focused on making the engine architecture and abstract functionality

2020 ACTIVE RAGDOLLS

A solo project on physics-based animation

- Animation of physically simulated characters
- Youtube video explaining how active ragdolls work

SKILLS

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|---------------|------------------------|
| Unity | <div><div></div></div> |
| Programming | <div><div></div></div> |
| Communication | <div><div></div></div> |
| Game physics | <div><div></div></div> |
| AI | <div><div></div></div> |
| UX | <div><div></div></div> |