

Mario Santamaría Osorio

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EDUCATION

Technical University of Madrid - UPM

Degree in Computer Engineering

Sept 2018 - Jun 2023

Erasmus Studies In Sweden

Studied abroad in Sweden for 1 semester

Jan 2022 - Jun 2022

PROFESSIONAL EXPERIENCE

Local Fitness business - Web Developer

Jan 2019 - Mar 2019
Madrid

- Improved Inventory organization system.
- Improved web UX.
- FitnessWork WebSite [🔗](#).

Broadcastr.xyz - Fullstack

Startup

Jan 2022 - Apr 2023
Remote

- Developed all solidity smart contract architecture.
- Made necessary changes to the front-end to interact with the smart contracts.
- Used React framework for the frontend and ethers.js for the interaction with smart contracts.
- Used foundry framework for developing smart contracts and testing.
- Broadcastr WebSite [🔗](#).

PROJECTS

Project 1

Securing Web 3

[🔗 Demo](#)

- Made using React Framework.
- Simple compilation of useful resource for the ethereum security community.

Project 2

Reddit Image Downloader

[🔗 Code](#)

- Python + Libraries.
- API requests.
- Shell.

Project 3

Rust CLI to get ETH balance

[🔗 Code](#)

- Rust + Web3.rs crate.
- Simple CLI to practice Rust programming.

Project 4

Filter4rena

[🔗 Demo](#)

- A way to find and filter Code4rena vulnerabilities.
- Really useful study resource for aspiring solidity auditors.

Project 5

Merge Day NFT

[🔗 Demo](#)

- On-Chain NFT only available for 24 hours.
- Website to mint a NFT to commemorate Ethereum upgrade to POS.
- Used React + Foundry solidity framework.

ACHIEVEMENTS

2nd place at Hackathon

Made an AI chatbot to help users find the solution to their problems on road and give necessary instructions to contact "AXA-Seguros" Support Center.

2019

TECHNICAL SKILLS

Programming languages: Python, C, Typescript, Solidity

Data Analysis: Numpy, Pandas, Matplotlib

Web Technologies: HTML, CSS, Typescript, React

Miscellaneous: Git, *NIX systems, Shell, L^AT_EX

RELEVANT COURSEWORK

Computer Science: Machine Learning, Data Structures and Algorithms, Databases, Operating Systems, Computer Networks, Circuit design, Embedded systems.