

Marc Antoni Mas Ródenas



Nanoscientist, Physicist and
Developer

Profile Summary

Versatile professional transitioning from **Renewable Energy** to **Web Development**, with a strong passion for **programming** and **emerging technologies**. With experience leading **Technical Operations** and managing **solar projects**, I have developed skills in **project management** and **process optimization**. Currently focused on **web development** and **blockchain technology**, I excel at adapting to new challenges and applying **innovative solutions**.

Contact details

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Skills

- **Languages:** Javascript, Solidity, Typescript, VBA, SQL, Python
- **Web Development:** React, HTML, CSS, Express, Vue, Node, Tailwind, Next, MongoDB
- **Others:** Git, Excel, Hardhat, web3, Power Apps, Power Automate, Power BI, Power Query, Power Pivot

Languages

Spanish · Native

Catalan · Native

English · Professional Use

German · Basic Level

Others

Drivers License · B, A2

More info:

<https://mtmarctoni.github.io/my-cv/>

WORK EXPERIENCE

Director of Solar Engineering and Innovation

EFIWATT

01.2022–11.2024

- ◇ Led software development initiatives, creating custom tools and automating workflows using JavaScript and Microsoft Power Tools.
- ◇ Developed comprehensive data analysis systems with Excel and Power BI to optimize solar production and generate automated reports.
- ◇ Managed end-to-end technical operations for solar projects, implementing automated solutions for project monitoring and energy optimization.

Renewable Energy Project Manager

EFIWATT

02.2021–01.2024

- ◇ Developed custom software for photovoltaic savings studies using Excel and VBA.
- ◇ Optimized solar production and self-consumption efficiency through system design and equipment selection.
- ◇ Led technical department, managing inventory and creating technical documentation for photovoltaic installations.

Entrepreneurship

Autodidact

2019–2021

- ◇ Self-taught entrepreneur who managed a digital marketing company. Developed JavaScript and Excel VBA skills for automation while creating and implementing marketing strategies for various clients. Showcased adaptability and self-learning through independent project management and business process automation.

Internship at ICMAB-CSIC

Institute of Materials Science of Barcelona

09.2017–07.2018

- ◇ Conducted computational simulations in the Theory and Simulation Group under Jordi Farauto. Utilized NAMD and VMD software to study the origins of life through molecular dynamics simulations of prebiotic molecules.

Summer Internship at ICFO

The Institute of Photonic Sciences

06.2016–10.2016

- ◇ Worked in the Ultrafast Optical Dynamics of Solids Group led by Professor Simon Wall. Focused on characterizing ultrafast pulses from a solid-state femtosecond laser and studied phase change materials using the "Pump-Probe" technique.

EDUCATION

MASTER OF RENEWABLE ENERGY AND ENERGY EFFICIENCY

International University Center of Barcelona - UNIBA

2018–2019

ERASMUS SEMESTER, PHYSICS

Universität Wien

Winter Semester 2018

BACHELOR OF PHYSICS

Autonomous University of Barcelona - UAB

2015–2019

BACHELOR OF NANOSCIENCE AND NANOTECHNOLOGY

Autonomous University of Barcelona - UAB

2013–2017

CERTIFICATIONS

- ◇ FULL STACK OPEN - DEEP DIVE INTO MODERN WEB DEVELOPMENT
University of Helsinki