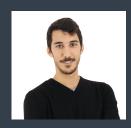
# Marc Antoni **Mas Ródenas**



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**

@ marctonimas@outlook.es

\$\psi\$ +34 652 13 48 06

## **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.

# Researcher at ICMAB-CSIC

Institute of Materials Science of Barcelona

09.2017-07.2018

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

### Researcher 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 SUSTAINABILITY

International University Center of Barcelona - UNIBA

2018–201

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

 $\diamond$  Full Stack open - Deep Dive Into Modern Web Development University of Helsinki