

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
- **Web Development:** React, HTML, CSS, Express, Vue, Node, Tailwind, Next
- **Others:** Git, GitHub, Node, Hardhat, web3, Power Apps, Power Automate, Power BI, Power Query, Power Pivot, Excel

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.

Entrepreneurship Autodidact

2019–2021

- ◇ Developed coding expertise in JavaScript and Excel VBA automation while managing a digital marketing company.
- ◇ Created and executed marketing strategies for diverse clients while handling end-to-end business operations.
- ◇ Demonstrated strong adaptability and self-learning capacity through independent project management and business automation initiatives.

Summer Internship at ICFO

The Institute of Photonic Sciences

06.2016–10.2016

- ◇ Ultrafast Optical Dynamics of Solids Group led by Professor Simon Wall.
- ◇ Characterization of ultrafast pulses from a solid-state femtosecond laser
- ◇ Study of phase change materials using the "Pump-Probe" technique.

Internship at ICMAB-CSIC

Institute of Materials Science of Barcelona

09.2017–07.2018

- ◇ Theory and Simulation Group led by Jordi Faraudo.
- ◇ Computational simulations using NAMD (Nanoscale Molecular Dynamics) and VMD (Visual Molecular Dynamics) software.
- ◇ Studied origins of life through molecular dynamics simulations of prebiotic molecules.

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