



DAVID MARQUÉS GARCÍA

Software Developer/ Data scientist/ Machine learning engineer

SKILLS

Python	3+ yrs
Mathematical Analysis	3+ yrs
Programming	3+ yrs
Html/CSS	1+ yrs
SQL	1+ yrs
C++	1+ yrs

LANGUAGE SKILLS

Spanish	
English	
French	
Japanese	

CONTACT

+34 615883332
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PROFILE

Software developer with a strong analytical and theoretical foundation and a passion for Python programming. My physics training gives me a strong understanding of mathematical concepts behind programming, while my psychology training has helped me develop good interpersonal skills.

WORK EXPERIENCE

Software Developer with Appian Capgemini

Oct 2022 - Now

Different projects developing software and applications with appian

- Creation of a web portal for reports and task management
- Development of new role-based workflows and processes, as well as training and support
- Maintenance of existing infrastructure

Technologies include:

- Appian
- SQL
- MariaDB

Achievements include:

- A web based tool for an intuitive role assignment and administration
- Tools for role review, reporting and troubleshooting

Web Developer Centro Hara

Jul 2021 - Sep 2022

Responsible for maintaining, designing and updating content of webpages, while also gathering data on different topics.

- Selection and implementation of new design ideas
- Maintenance and update of the webpage
- Data mining

EDUCATION

2015 - 2021

B. Sc. Physics.

Universidad Autónoma de Madrid

Degree in Physics where I studied programming languages such as Python, Matlab, C++, honed my analytical, mathematical and problem solving skills. My thesis' topic was Quantum conductance on organic molecules, where I had to measure samples and use machine learning algorithms to categorize the measurements, as well as building a model of how conductance happened within the molecule.

2015 - 2019

B. Sc. Psychology.

Centro Universitario Doctor Emilio Cárdenas

Psychology degree where I learned how to communicate, handle stress and help people effectively, among other things. My thesis was a statistical report on child abuse and how to avoid it and help the people who have lived through that, mitigating the consequences.

Technologies include:

- Python for webscraping and ETL
- Wordpress for web design

Achievements include:

- Data mining and processing
- User friendly web design

Researcher

ICMM

Jun 2018 - Aug 2018

Internship researcher on graphene layers as buffers for growing crystals.

- Research on graphene and its properties
- Research on crystalline structures

Technologies include:

- Linux enviroment
- Vasp (Vienna ab initio Simulation Package)
- Virtual Machines
- LaTeX

Achievements include:

- Modelling graphene
- Modelling crystalline structures

CERTIFICATIONS

Introduction to the world of Artificial intelligence

Awarded on: 21/10/2022

Online introduction course on machine learning and artificial intelligence, imparted by Udemy.

Appian Certified Developer

Valid through: 8/5/2024

Awarded on: 8/11/2022

Test on the use of the Appian platform for software development.

IBM Machine Learning with Python

Awarded on: 30/11/2022

Online course on developing machine learning with Python delivered by Coursera and authorized by IBM.

Data Engineering Essentials

Awarded on: 16/12/2022

Certification delivered by Coursera and authorized by IBM for having knowledge of the concepts, ecosystem and lifecycle of data engineering.

Learning how to learn: Powerful tools to help you master tough subjects

Awarded on: 03/01/2023

Online course about learning and how to make learning easier.

Machine Learning in python with scikit-learn

Awarded on: 19/01/2023

Online course on machine learning with python and Scikit-Learn, created by the developers of the scikit-learn library.