FRANCISCO MARQUES

MSc in Data Science Student

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EDUCATION

Bachelor's Degree in Physics

University of Aveiro

📅 Oct 2019 – Set 2022   📍 Portugal

Bachelor's with special focus towards electrodynamics, classical and quantum mechanics and statistical physics. Throughout the B.S., programming classes were chosen as optional classes such as Object Oriented Programming, in Java, and Algorithms and Data Structures in C/C++.

Master's Degree in Data Science

University of Aveiro

📅 Oct 2022–Ongoing   📍 Portugal

Master's with great multivariate statistics and machine learning education. The classes demand knowledge in Python and R. As for optional classes, I decided on taking Advanced Algorithms, that focused on graph theory and probabilistic algorithms, and Modelling of Complex Systems, which aims to study systems with many interacting agents.

EXPERIENCE

Freelance Ice Hockey Analyst

Stats Perform

📅 Oct 2021 – Ongoing   📍 Portugal

Responsible for one ice hockey match at a time, collecting a large part of the events that occur throughout the game.

Undergrad Research Fellow

I3N, University of Aveiro

📅 Apr 2022-Oct 2022   📍 Portugal

R&D project with heavy focus on particle and computational physics. I was responsible for ROOT and C++ based software, that produced files needed for the calibration and alignment of the detectors W45 at COMPASS-CERN experiment. Later, using Python scripts, developed from scratch, an analysis of the statistical data was performed.

HOBBIES

Drumming, video games, coding, reading

ABOUT ME

I am a Bachelor's in Physics graduate that found their love for statistics during their B.S. final project. Keen on learning more about this field, I enrolled in the Master's in Data Science and found another passion for machine learning. During my free time, I am trying to make use of web scraping and data mining algorithms in order to create a time series and forecast stock values of certain companies. I also love to listen to music, mainly Drum & Bass and Fusion Jazz, while doing any other tasks.

STRENGTHS

Python	●●●●●
MATLAB	●●●●●
R	●●●●●
Java	●●●●○
C/C++	●●●●○
SQL	●●●○○

LANGUAGES

Portuguese	C2*	●●●●●●
English	C1*	●●●●●○

*Based on CEFR ratings