



# FRANCISCO FROTA SANTOS

Msc in Big Data, Game Analysis and Scouting in Football –

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## PROFILE

Currently studying in the Big Data, Match Analysis and Scouting in Football master's degree, areas related to Football Analysis, Scouting, Programming and Computational Statistics are of my interest to develop my knowledge and to apply it in the sporting world.

Passionate about sports, water polo and football are the two that fulfil me and take most of my free time watching and learning about them. I was a boy scout for 11 years and there I was able to learn most of my values and learned to work better with others.

## SOFT SKILLS

Reveals easiness in teamworking, great interpersonal skills, attention to detail, good working methods and ethics, with a big sense of responsibility and competence. Is punctual, assiduous and works well with youth, being patient and understanding their need to be understood.

## PROFESSIONAL EXPERIENCE

Unpaid internship as a veterinary assistant – 15/7/2018 until 22/7/2018 with Dr. Luís Gomes in Montemor-o-Velho, Coimbra.

Paid internship in *Herdade dos Grous*, Alburnoa, Beja – 17/8/2022 until 22/8/2020, assisting in all stages of a vintage and wine making process.

Assistant manager of the U14 and U12 water polo teams of *Associação Académica de Coimbra*.

Freelance Data Analyst Trainee at Stats Perform, Aveiro, Portugal – 8/2/2024 until the present day.

## ACADEMIC EDUCATION

### MSC IN BIG DATA, GAME ANALYSIS AND SCOUTING IN FOOTBALL • ESCUELA UNIVERSITARIA REAL MADRID • 2022-2023

Finished with 9,75 out of 10.

### MATHEMATICS DEGREE • COIMBRA UNIVERSITY • 2018-2022

Finished with an average mark of 12.

### HIGH SCHOOL DEGREE IN SCIENCES AND TECHNOLOGIES C-60 • 2017/2018

Obtained a final mark of 16. Merit Diploma on 2015/2016, 2016/2017 and 2017/2018 in *Escola Secundária Fernando Namora* in Condeixa-a-Nova, Coimbra, Portugal.

### UEFA C FOOTBALL COACHING COURSE • A.F. AVEIRO • 2023/2024

Ongoing.

## SPORTS PRACTICE

Practiced football from 2011 until 2013 in *Clube Condeixa*.

Practiced water polo from 2009 until 2021 and resumed in 2023 in *Associação Académica de Coimbra*. Currently the captain of the senior team of the same club.

Concluded the water polo table delegate course on the 30/10/2014.



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## DRIVER LICENSE

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A1 and A2 driver's license for motorcycles.  
B and B1 driver's license for light vehicles.

## VOLUNTEERING AND LEADERSHIP EXPERIENCE

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Made part of *Corpo Nacional de Escutas (Boyscouts)*, from 2007 until 2018.

Made part of several volunteering activities such as *Banco Alimentar Contra a Fome*, collecting food on supermarkets to the ones in need.

## LANGUAGES

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**English:** Concluded *Cambridge English Level 1 Certificate*, obtaining *B2* level for *Cambridge Assessment English*.

**Spanish:** Had two years of classes in high school, obtaining *A2* level. Currently living in Spain, attending classes participating without difficulty.

**French:** Had three years of classes in school, obtaining *A2* level.

## COMPUTER SKILLS

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User of *Microsoft Word*, *Excel*, *PowerPoint*, *Adobe Acrobat XI Pro*, *MathType*, *TI Nspire CX* and *TI Nspire CAS*, as well as *PgAdmin* and *MySQL*.  
Programming skills in *C*, *SQL*, *C++*, *Python*, *MATLAB*, *R* and *LaTeX*.

Experience in *PowerBI* and *Tableau*.

Experience with *Wyscout's*, *Metrica's* and *Statsbomb's* APIs.

## EVENTS AND PERSONAL PROJECTS

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Attended an English Language Course at *St. Andrew's College Summer Schools* in Scotland for two weeks, having obtained the *Upper-Intermediate B2* level on the 24<sup>th</sup> of July of 2015.

Played the *Final Fase of the under 19 National Championship* in Porto, on the 22 and 23 of July of 2017, finishing in 4<sup>th</sup> place.

Played in the water polo *National University Championship* in 2018, finishing in 2<sup>nd</sup> place.

Played the *Final 8 of the water polo National Cup* on the 27<sup>th</sup>, 28<sup>th</sup> and 29<sup>th</sup> of April of 2018, in Braga.

For the master's thesis, has created a tool in *PowerBI* to evaluate a team's performance at the end of a season, identifying its style of play and liabilities. To complete this, has created a football player's rating system for scouting. Using these tools was able to "predict" two of AFC Bournemouth's summer signings.

Has a data collection project that consists in web scraping the website *FOTMOB* using python, with the intention of keep working on the players' rating system with this data.

Has a data visualization project with *Statsbomb's* free data.