

# Ana Rita Diogo

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Engineering Physics student at FCUP and FEUP interested in data science and machine learning. Always looking to improve my skills through internships at CERN and EQS or my work in several organizations. Driven by my passion for science communication and love to spend time reading, travelling and learning languages.

## education

### Master's degree in Physics Engineering | FCUP/FEUP

September 2020 - December 2022 | Porto, Portugal

- Almeida Garrett Programme: Concluded 30 credits at FCT NOVA from September 2020 to January 2021.
- Thesis: "Data Analysis and Advanced Algorithms for Long-range Ultrasound Signal Processing".

### Bachelor's degree in Physics Engineering | FCUP/FEUP

September 2017 - December 2021 | Porto, Portugal

## experience

### Data Analysis Intern | EQS Global

January 2022 - September 2022 | Maia, Portugal

- Implemented advanced algorithms for signal processing and data analysis for ultrasonic guided wave testing, improving damage detection precision by 52%.
- Created dashboards for data analysis using Python libraries such as NumPy, Pandas, Matplotlib, SciPy, Scikit-learn and Bokeh.
- Conducted an in-depth study of the state of the art of over 60 articles and studies, resulting in a published article.

### HSSIP Intern | CERN

September 2017 | Geneva, Switzerland

- Developed the scientific project "Who are the Portuguese working at CERN", by collaborating with international students and scientists.
- Supervised by the Head of Education, Communication and Outreach of CERN, including a final presentation of the project.

## extracurricular

### Team Manager | Magma Studio

November 2021 - present | Porto, Portugal

- Coordinate a team of over 30 ambassadors across 12 academic institutions and universities in the North and Greater Porto areas.
- Provide support and assist all members in achieving results.

### Image and Communication Coordinator | Sem Arito

February 2022 - present | Lisboa, Portugal

- Designed over 40 visual elements for social media, branding design and presentations for Sem Arito, a science communication project in the field of physics targeting the general public.
- Supervise the 7 members focusing on improving the project's outreach and social media engagement.

### Mentor | University of Porto

September 2018 - July 2022 | Porto, Portugal

- Mentored 5 students over 5 years by assisting in their integration into the university and course, providing answers and advice.

## languages

**Portuguese C2** Native language

**English C2** ESOL Cambridge certificate

**French A2** Alliance Française

## skills

Python	MATLAB	LabVIEW
Excel	SQL	Microsoft Office
LaTeX	HTML	Visual Studio Code
CSS	JavaScript	Adobe Photoshop

## achievements

### Data Science Upskilling Course

Data Corner, IPS

- 21-hour course covering data science project design and project management, data cleaning and munging, exploratory data analysis (EDA) and machine learning.
- Finished with a score of 95%.
- Awarded one of the 3 best final projects.

### UPgrade Programme

University of Porto, FCCEUP

- 23-hour course on conflict resolution, decision making, self-management emotional intelligence, creative problem-solving and interpersonal relationships.

### Pitch Bootcamp Staff

Spark Agency, Magma Studio

- Managed the operation organization of 100 bootcampers, 160 professionals and 120 companies across 7 editions of the event as part of the staff team.

### Voice and Speech

Post Media Relations

- 16-hour course covering efficient verbal and written communication, creative writing, storytelling and public speaking.

### Innovation Ecosystems and Entrepreneurship

EUGLOH, Lund University

- 2-month course including discussions and lectures on innovation and business.
- Final group project on the development of a local holistic ecosystem of innovation and sustainable entrepreneurship.
- Awarded best final project of the course.