

MAFALDA TIMÓTEO

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Summary

Junior Data Analyst with a Biomedical Engineering background, transitioning into Health and Business Analytics. Experienced in data analysis using Python and SQL, with the ability to translate complex data into clear, actionable insights. Known for a calm, structured approach, strong ownership, and effective communication with technical and non-technical stakeholders.

Education

Escola Secundária Santa Maria

2016 – 2019

10^o-12^o, 18 GPA

Instituto Superior Técnico

2019 – Present

Bologna Degree in Biomedical Engineering

Skills

Python (Intermediate – Data Analysis)

Strong proficiency in data manipulation, analysis, and visualization.

Libraries: pandas, matplotlib, seaborn, and basic familiarity with pingouin and NumPy.

SQL (Intermediate)

Experience querying relational databases using PostgreSQL, including data extraction, filtering, aggregation, and joins.

Excel (Beginner)

Basic knowledge of excel for data preparation, visualization and analysis.

Power BI (Beginner)

Introductory experience creating dashboards and visual reports, with a focus on data exploration and insights.

Data analysis and Data literacy

Solid understanding of data concepts, analytical thinking, and data storytelling, with the ability to translate complex analyses into clear, actionable insights for technical and non-technical audiences.

Experience

Accounting Assistant

2022 – Present

Information and document management

Gabinete Contabilidade do Cotão Lda.

Supported day-to-day accounting operations, including organizing invoices, managing expense records, and maintaining accurate documentation. Contributed to the smooth running of administrative tasks by ensuring attention to detail, reliability, and discretion. This role enhanced my organizational skills, time management, and ability to handle confidential information with professionalism.

Volleyball Coach

2021 – Present

Volleyball Coach - Degree 1

Cascais Volley4all Academy

Coach for multiple age groups, responsible for team management, training planning, and individual athlete development. Actively involved in organizing and participating in both national and international federated competitions and events. This role strengthened my leadership skills, conflict resolution abilities, teamwork, and decision-making under pressure.

Volunteer Online Tutoring

2020 – 2021

Volunteer Online Tutoring through Project BiomExplica - NEBM Instituto Superior Técnico

Instituto Superior Técnico

Provided personalized academic support to high school students, focusing on building understanding and confidence in various subjects. Adapted teaching methods to meet individual learning styles and needs, ensuring sessions were engaging and effective. Developed strong communication and empathy skills, while fostering motivation and resilience in students through a supportive and encouraging approach.

Actively contributed to the organization of events that promote engineering and foster collaboration among students at one of Portugal's top engineering schools. Worked within a multidisciplinary team to plan workshops, networking sessions, and community-building initiatives. Responsible for managing event budgets, ensuring efficient use of resources, and maintaining communication across the team. Also handled content creation and scheduling for social media platforms, helping to increase visibility and engagement. This experience strengthened my skills in coordination, financial planning, communication, and digital outreach.

Projects

Gamified Health Questionnaire | *Final Degree Project*

Python, SQL Server, Data Validation

- Designed and developed a gamified web-based health questionnaire to increase user engagement and improve the reliability of collected healthcare data.
- Implemented a robust data pipeline in **Python** to ingest, validate, and clean real-time user responses.
- Architected and managed a **SQL Server** database schema, ensuring data integrity, security, and optimized query performance.
- Automated the calculation of **System Usability Scale (SUS)** metrics to provide immediate, quantitative feedback on user experience.
- Prioritized data quality and accessibility standards to ensure inclusivity within a clinical healthcare context.

Certificates

Azure AI-900 AI Fundamentals | *Microsoft*

AI, GenAI, MicrosoftFoundry