

JOAO TERROA

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PROFESSIONAL SUMMARY

MSc Informatics graduate and consultant at Crossjoin Solutions. My work has been technical and performance oriented, and my research background trained me to handle data and explain complex problems clearly. I am applying to Lidl's Sales UP Management Trainee path because it is close to how I like to work: read the numbers, understand the operation, and help a team improve.

WORK EXPERIENCE

Entry Consultant / Performance Consultant

November 2024 – Present

Crossjoin Solutions

Almada, Portugal

- Work in an IT consulting environment in a performance-focused role, applying Linux and Oracle Database knowledge to technical problem solving
- Strengthen professional discipline in time management, prioritization, and structured delivery across project work

Undergraduate Research Assistant

May 2021 – March 2022

Center for Theoretical and Computational Physics

Lisbon, Portugal

- Combined finite element simulation outputs with machine learning to analyze sensitivity to spatial arrangements and classify discretized model profiles using a CNN
- Presented research through a talk, poster, and publication, translating complex analytical work into clear technical communication

SELECTED PROJECTS

Bike-sharing System for NYC | Python, FastAPI, MongoDB, Docker, GCP

January 2023 – June 2023

- Built a system for station, routing, and user operations, connecting service design with operational process logic
- Integrated MongoDB, gRPC, Docker, and GCP; used Prometheus and Locust to monitor performance and stress-test behavior under load

ASL Alphabet in Real-Time | Python, TensorFlow, MediaPipe, Git, Anaconda

March 2023 – May 2023

- Developed a real-time computer vision application using a CNN, image segmentation, and webcam input
- Applied model training and evaluation practices to improve prediction accuracy on visual data

EDUCATION

Faculty of Sciences of the University of Lisbon

Lisboa, Portugal

MSc in Informatics

Sep. 2022 – June 2024

- Relevant coursework: Cloud Computing, Introduction to Databases, Risk Analysis and Management in Information Security, Advanced Machine Learning, Web Applications

Faculty of Sciences of the University of Lisbon

Lisboa, Portugal

Bachelor of Engineering in Physics

Aug. 2018 – June 2022

SKILLS

Business and Analytical: Data analysis, performance monitoring, modelling, stress testing, time management

Technical Tools: Python, SQL, Linux, Oracle Database, Git, Docker, Google Cloud Platform, MongoDB, Jupyter

Frameworks and Libraries: FastAPI, React, Next.js, Pandas, NumPy, Matplotlib, PyTorch, Keras, TensorFlow

LANGUAGES AND CERTIFICATIONS

Portuguese (Native)

English (Fluent)

Spanish (Limited working); **French** (Elementary)

Certifications: DISC - Perfil Comportamental na Prática; Time Management Mastery: Do More, Stress Less; Mechanical Design Certification