AITOR DIEZ MATEO

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Professional Summary

Data Science and Computer Engineering student with a strong passion for technology and solving complex challenges. Highly motivated to tackle difficult problems, continuously learn, and apply innovative solutions in real-world projects.

Education

University of Deusto   Bilbao, Spain
Dual Bachelor's Degree in Computer Engineering and Data Science & Artificial Intelligence   Sept 2022 - June 2027
GPA 3.68. Average grade 9.19/10.

Program summary: Pursuing a comprehensive dual degree that integrates core principles of Computer Engineering with advanced techniques in Data Science and Artificial Intelligence. The program provides a strong foundation in algorithm development, software architecture, machine learning, and data analytics, among other key areas, equipping me with both the technical expertise and analytical skills required to tackle complex technological challenges.

Honors Distinctions for Academic Excellence:

- Calculus, 2023
- Computer Structure, 2023
- Databases (SQL), 2024
- Application Programming (Java), 2024
- Programming Methodology and Languages, 2024
- Data Science (R), 2024
- Advanced Statistics, 2024
- Low-Level Programming (C/C++), 2024
- Information Advanced Modelling, 2025
- Big Data Processing (PySpark), 2025
- Deep Learning (PyTorch), 2025

Experience

DeustoTech   Bilbao, Spain
Machine Learning Research Intern   Feb 2024 - Present

- Granted Internship on Deusto Sustainable Research Group, focusing in the Energy in Building field, under the supervision of PhD Roberto Garay Martínez.
- Developed and implemented predictive models to estimate electricity consumption in buildings based on exogenous variables, contributing to research on energy efficiency and Smart Grid optimization.
- Specialized in **Changepoint models** and **Time-of-the-Week (ToW) models**, analyzing patterns and trends in energy usage to improve forecast accuracy.
- Conducted extensive data preprocessing, feature engineering, and statistical analysis to identify key factors affecting building energy consumption.
- Presented findings and insights to the research group, producing detailed reports and visualizations to communicate complex results effectively.
- Gained hands-on professional experience and participated in EU-funded research projects, including ATELIER and STUNNED.

Skills & Interests

Technical: High proficiency in Python (included its ML frameworks & libraries). Intermediate level in R, Java & C/C++.
Language: Spanish (Mother tongue), English (Advanced; CAE C1, 2021), Basque (Intermediate; B2, 2022)
Certifications:

- Applied Data Science with Python - issued by IBM (July 2024)**.** Credential.
- Data Analysis with Python - issued by IBM (July 2024). Credential.
- Data Visualization with Python - issued by IBM (July 2024). Credential.
- Python for Data Science - issued by IBM (July 2024). Credential.
- Introduction to Quantum ML and Quantum Optimization (Sept. 2025 - Nov. 2025) - Issued by Deusto University. Credential not available until course completion.