MARIO MUÑOZ

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Project Porfolio

WORK EXPERIENCE

DATA SCIENTIST   August 2021 - February 2022
CaixaBank

As a Data Scientist at CaixaBank's Comercia Global Payments, I specialize in detecting and preventing fraud within the organization by analyzing large sets of data. Using tools such as Python, R, SQL, and Excel, I identify patterns and anomalies that could indicate fraudulent activities, and work to improve and optimize CaixaBank's fraud detection systems. My focus on reducing false positives helps to ensure that legitimate transactions are not flagged as fraudulent, and that customers are satisfied with their payment experience.

DATA SCIENTIST   November 2022 - January 2023
Boston University

As a data scientist working in the Keck Laboratory of Network Physiology at the University of Boston, my primary responsibility was analyze large and complex datasets related to physiological networks. I used my expertise in statistics, machine learning, and data visualization to extract meaningful insights from the data and contribute to the research efforts of the laboratory.

DATA ANALYST   January 2020 - January 2021
City Council of L'Hospitalet

Data Analyst with a strong background in data visualization, analysis and reporting. Proficient in Python, Power BI, and CartoDB. Successfully utilized data to make strategic reports for the city of L'Hospitalet de Llobregat, including creating a specific website to improve access to relevant information for social entities. Proven ability to propose new functionalities and provide training and advice on new technologies. Strong collaborator, dedicated to making data accessible and useful for decision-making.

ICT TECHNICIAN   February 2018 - January 2020
City Council of L'Hospitalet

My responsibilities are the creation and management of the content of the portal https://www.lhon-participa.cat. Including the proposal of new functionalities within the Metadecidim community. Correct dialogue and collaboration with the different departments in the development of non-electoral citizen participation. As well as support and advice on new technologies, including the improvement of the different channels of public citizen participation of the city council.

YOUTH BASKETBALL COACH & ANALYST   September 2011 - July 2019
Club Joventut Badalona

Experienced basketball coach and scout analyst with a track record of delivering effective training sessions and analyzing performance. Skilled in scouting for youth prospects, recording games, and analyzing video using Longomatch, Python, Excel, and Playsight. Achievements include Champions of Catalonia, runners-up of Spain, and participation in the ACB Minicopa. Tasks include coaching, statistical analysis, video analysis, and scouting.

VOLUNTEERS OFFICE COORDINATOR (Basketball World Cup)   July 2014 - October 2014
Spanish Basketball Federation

Technical Skills

Languages: Python (Scikit-learn, Pandas, Numpy, Matplotlib, Scipy), SQL, R, C, C++, Java. **Machine Learning:** Scikit-learn, TensorFlow, Keras, PyTorch, XGBoost. **Data Visualization:** PowerBi, MS Excel, matplotlib, ggplot2, rayshader. **Web Scrapping:** Scrappy, Selenium, Beautiful Soup, Requests. **Parallel Programming:** AWS, OpenMP API, OpenACC, CUDA. **Databases:** MySQL. **Hosting & Cloud:** AWS, Streamlit Cloud. **Miscellaneous:** Git, Github

Education

Pompeu Fabra University. *B. Eng. Mathematical Engineering on Data Science*
University of Barcelona. *B.A. Political Science*
University of Helsinki. *MOOC Elements of AI*