Manuel Parra

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Experience

TRADE AGENT - REMOTE
XTB

📅 Jun 2020 – Current • *Full Time/Freelance*   📍 Warsaw, PL

- Managed assets in commodities, government bonds, forex, and ETFs, achieving a weekly average portfolio value increase of 0.74%.
- Conducted ETL processes, data cleaning, and applied Convolutional Neural Networks (CNN) for time series analysis on financial assets.
- Executed portfolio optimization and conducted performance evaluations using data pipelines, backtesting techniques, python, pandas, numpy, and pyfolio.

MENTEE DATA SCIENTIST - REMOTE
University of California Berkeley

📅 Jun 2023 – Aug 2023 • *Full Time*   📍 Berkeley, CA

- Utilized rigorous methods to analyze academic papers, extracting key information to drive global circular economy and green energy initiatives.
- Analyzed data from over 100 scientific articles, addressing more than 20 doctoral research questions, showcasing strong data analysis capabilities.
- Proficient in Python data analysis tools such as Pandas, NumPy, and Scikit-Learn for optimizing research work.

LYRICS CURATOR - REMOTE
Musixmatch

📅 Jan 2021 – Dec 2022 • *Part Time/Freelance*   📍 San Francisco, CA

- Played a vital role in curating a catalog of over 12.4 million lyrics spanning 50 languages.
- Engaged with a community of over 6 million users, collaborating across popular platforms like Spotify, Instagram, Apple Music, and Vevo.
- Generated music recommendations based on data analysis, tailored to users musical preferences.

REMOTASKER - REMOTE
Remotasks

📅 Dic 2019 – May 2021 • *Full Time/Freelance*   📍 San Francisco, CA

- Leveraged extensive experience in processing LiDAR data, applying industry best practices for data collection, cleansing, and annotation.
- Successfully curated and trained over 100 datasets, achieving an outstanding 95% accuracy rate in identifying pedestrians, vehicles, and environmental elements for autonomous driving.
- Managed the curation and training of a dataset comprising more than 220 LiDAR images for autonomous driving companies and research teams.

Projects

MLOPS: CUSTOMER SATISFACTION ⟺ *Demo*
Ability to implement ML models in production...• Catboost • Zenml • Xgboost • Streamlit • Venv • OOP

AMEX CREDIT CARD FRAUD DETECTION ⟺ *Demo*
Fraud prediction: more benefits and lower costs...• Pandas • Sklearn • Numpy • Jupyter • Xgboost • Python

VIDEO GAMES SALES VISUALIZER ⟺ *Demo*
Effective visualization of large, complex data with easy interpretation...• D3 • Javascript • Web Dev • APIs

Education

KONRAD LORENZ UNIVERSITY
BSc in Mathematics

📅 07/2021 - 12/2025   📍 Bogotá, COL

- Modelling
- Focus in Artificial Intelligence
- Problem Analysis

E.T.I.T.C LA SALLE
Industrial Processes Technologist High School

📅 01/2014 - 12/2019   📍 Bogotá, COL

- Design and Modelling
- Framework Optimization
- Problem Solving

Coursework

GRADUATE
Problem Solving
Finance • Investment
Applied Finance
Feature Engineering
Statistical Theory and Methods
Data Visualization
ETL • ELT • EDA
Data Management
Artificial Intelligence Ethics
Deep • Machine • Reinforce Learning
Full Stack Development
Learning Skills through Case Studies

Skills

PROGRAMMING
Java • Python • R • C++ • XML/HTML/CSS • Bash • JavaScript • SQL • No SQL

MISCELLANEOUS
Effective Communication • Shell • LaTex • Tableau • Power BI • Microsoft Excel • Thunder Client • Git • Jupyter • Kubernetes • GCP • AWS • Docker

Value

REYES PROGRAM BERKELEY
University of California Berkeley
Mentee Data Scientist, Circular Economy and Green Energies (Paper on Course)

VOLUNTEER TEACHER
La Salle Pastoral Care
Providing guidance to children, guidance to break the cycle of poverty and create a brighter future.