Anas Kouri

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Experience

NUS Consulting Group　　May 2023 – Present
Data Analyst　　*Park Ridge, NJ*

- Used Python algorithms to streamline the analysis of energy costs and margins, driving accurate financial forecasting
- Monitored energy markets and delivered timely hedging strategies, supporting risk mitigation and cost saving for clients
- Leveraged SQL to extract and analyze energy billing data, improving precision in financial assessments by 20%
- Tracked key KPIs (Gross Margin, ROI) consistently, by designing and maintaining a comprehensive Power BI dashboard
- Supported 200+ clients in meeting renewable energy targets and reducing CO2 emissions, driving sustainability efforts
- Provided strategic market analysis and actionable reports, enhancing client decision-making and fortifying relationships
- Led training sessions for clients on energy data management and analysis tools, promoting effective use of insights

Stellantis Automobile (Groupe PSA)　　July 2020 – December 2020
Engineering Data Analyst Intern　　*Paris, France*

- Optimized vehicle acoustics by performing Transfer Path Analysis(TPA) on EV and PHEV,enhancing passenger comfort
- Integrated ML(RF,SVM) models to predict noise pathways, reducing analysis time by 30% and improving accuracy
- Leveraged SQL to manage and analyze large datasets of noise and vibration data, facilitating data-driven decisions
- Supervised a team of 10 technicians in performing NVH acoustic measurements, ensuring data integrity and precision
- Automated the export and processing of NVH data using VBA, improving the efficiency of mechanical and acoustic tests
- Collaborated with finance teams to quantify ROI of noise reduction efforts, driving a €1M increase in profitability

Liebherr Aerospace Toulouse　　May 2019 – October 2019
Engineering Data Analyst Intern　　*Toulouse, France*

- Engineered NVH simulations for Airbus and Boeing, enhancing noise control and improving air conditioning systems
- Created interactive Power BI dashboards to monitor real-time NVH performance, enabling proactive adjustments
- Analyzed acoustic data using signal processing techniques, driving noise reduction in commercial aircraft systems
- Automated NVH data extraction and analysis with Python, streamlining processes and increasing efficiency by 40%
- Applied predictive modeling to forecast design impacts on noise levels, contributing to quieter, more reliable systems
- Collaborated with R&D to implement damping solutions, reducing cabin noise levels across multiple aircraft models

Projects

Global Energy Investment Analysis | *SQL, Machine Learning, Tableau*　　March 2023

- Built a dashboard using SQL to analyze global energy investments, providing valuable insights into market trends
- Applied Machine Learning algorithms (LR, RF) to accurately forecast energy investments for the next five years

Web Application for Renewable Energy Visualization | *Python, Dash, Plotly*　　December 2022

- Engineered a Python web application using Dash and Plotly for analyzing data and growth trends in renewable energy
- Visualized and analyzed strategic insights for various countries, enhancing understanding of renewable energy usage

Technical Skills

Programming Languages: Python, Spark, SQL, MSSQL, PostgreSQL, MySQL, NoSQL, MongoDB, VBA, MATLAB
Data Visualization: Tableau, Power BI, Excel, DAX, Pivot Table, Macros, PowerQuery, Dash, Plotly
Cloud and Big Data Technologies: Azure Technologies, Databricks, Hadoop
Methodologies and Tools: Agile Methodologies, BI Tools, AI/ML, Time Series Analysis, Market Analysis, Git/Github
Certifications: Google Data Analytics Professional Certificate | Microsoft Power BI Data Analyst Professional Certificate

Education

City University of New York　　2021 – 2023
MS in Computer Science　　*Brooklyn, NY*

- Recipient of Rose Goldstein Memorial Scholarship

University of Poitiers - National Engineering School　　2017 – 2020
MEng in Energy Systems and Technology　　*Poitiers, France*

University of Poitiers - Institute of Business Administration　　2019 – 2020
MS in Business Management　　*Poitiers, France*