Anas Kouri

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WORK EXPERIENCE

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

- Utilized Python/API to develop a pipeline for ETL of energy rates data, achieving a 50% reduction in rate and financial analysis time.
- Designed and implemented advanced energy budgeting solutions for over 50 clients by integrating Python, VBA, and PowerBI, leading to more efficient processes and a reduction in budgeting errors.
- Analyzed consumption patterns and forecasted energy prices to optimize clients' procurement strategies, resulting in an average cost reduction of 20%.
- Developed a dynamic Power BI dashboard for real-time tracking of natural gas hedging, budgeting, and billing, enabling 36-month forward-looking analysis and driving cost optimization strategies.
- Monitored daily energy market trends and advised on timely hedges, leading to savings of more than 30% for clients.

Ophthalmology and Cornea of Brooklyn   **Brooklyn, NY**
Data Analyst   *May 2022 - Apr 2023*

- Created Developed a predictive algorithm that reduced patient no-shows by 20%, enhancing appointment efficiency and saving the clinic $50,000 annually.
- Analyzed patient appointment data to refine scheduling, reducing clinic operational costs by 15%.
- Applied data analysis to pinpoint inefficiencies in clinic workflows, improving profit margins by 10%.
- Optimized clinic operations through data-driven insights, achieving significant cost reductions and operational enhancements.

Stellantis   **Paris, France**
Data-Driven R&D Engineer (Intern)   *Jul 2020 - Dec 2020*

- Leveraged Transfer Path Analysis to benchmark and enhance NVH performance in electric and ICE vehicles, achieving up to 30% improvement in noise reduction and vibration control.
- Spearheaded a multidisciplinary team to integrate TPA insights into engineering workflows, enhancing vehicle acoustics design.
- Demonstrated exceptional communication skills by translating technical findings into understandable insights for stakeholders, driving data-informed design enhancements.
- Applied advanced data modeling to predict NVH outcomes, reducing prototype testing cycles by 25%.
- Conducted comprehensive data analyses to identify key NVH factors affecting vehicle performance, leading to a data-driven strategy that saved over €2M in development costs.

Liebherr Aerospace   **Toulouse, France**
Data-Driven R&D Engineer (Intern)   *May 2019 - Oct 2019*

- Applied advanced NVH measurement techniques on Airbus and Boeing AC systems, achieving a 25% improvement in noise reduction and passenger comfort.
- Utilized comprehensive NVH data to identify and rectify inefficiencies in aircraft AC systems, achieving a significant reduction in vibration levels.
- Worked closely with cross-disciplinary teams to translate NVH data insights into actionable design changes.
- Led the optimization of NVH testing protocols for aircraft systems, streamlining the evaluation process and improving test accuracy by 30%.

EDUCATION

Brooklyn College - CUNY   **Brooklyn, NY**
Master of Science in Computer Science (3.82/4.0)   *Jan 2023*
Recipient of Rose Goldstein Memorial Scholarship

University of Poitiers   **Poitiers, France**
Master of Engineering in Energy Systems and Technology   *Dec 2020*
Master's degree in Project Management   *Dec 2020*

SKILLS

Programming Languages: Python (scikit-learn, seaborn, numpy, pandas, PySpark), SQL (PostgreSQL, MySQL), VBA, MATLAB
Data Visualization tools: Tableau, PowerBI, Excel (Pivot Table, Macros, PowerQuery, Dashboards, DAX, Nested if), Dash, Plotly
Technical & Analytical Proficiencies: Agile Methodologies, AI/ML, Time Series Analysis, Git, Autocad, Revit
Cloud Technologies: Azure SQL Database, Azure Data Factory, Azure Databricks, Azure Synapse Analytics, Azure Stream Analytics
Certifications: Google Data Analytics Professional Certificate, Microsoft Power BI Data Analyst Professional Certificate

PROJECTS

- **Renewable Energy Dashboard**: Developed a Python web application (Dash, Plotly) to forecast renewable energy growth trends, detect energy mix change opportunities, and visualize these insights.
- **Global Energy Investment Analysis**: Created interactive Tableau Dashboard for global energy investments, displaying data over a 7-year span to identify market trends and changes, yielding valuable insights.
- **Green'Sip, Intelligent management system for waste collection**: Co-creator of campus-wide waste management system, influenced recycling awareness amongst students, and reduced waste amounts sent to landfills by 30%.