

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

- 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%.