# Anas Kouri

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## WORK EXPERIENCE

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

- Directed the design and execution of a Python/API pipeline to automate the ETL of energy rates data, delivering a 50% reduction in rate and financial analysis time: enhanced operational efficiency and analytical capabilities.
- Designed 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.
- Leveraged data-driven insights to analyze consumption patterns and forecast energy prices, enabling clients in the energy sector to optimize procurement strategies and achieve a 20% cost reduction.
- Created Power BI dashboard to monitor natural gas hedging, budgeting, and billing activities, providing comprehensive 36-month forward-looking analysis and empowering strategic cost optimization decisions.
- 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*

- Engineered and implemented a predictive algorithm leveraging machine learning techniques, resulting in a 20% decrease in patient no-shows, optimizing appointment scheduling and generating $50,000 in annual cost savings for the clinic.
- Analyzed patient appointment data using predictive analytics to optimize scheduling; streamlined clinic operations and cut operational costs by 15%, equivalent to $100,000 annually.
- Leveraged data analysis to uncover inefficiencies in clinic workflows; introduced strategic changes that led to a 10% improvement in profit margins and streamlined operations.
- Directed a cost-benefit analysis of equipment maintenance schedules, leading to a revised maintenance plan that decreased equipment downtime by 30% and saved the clinic $50,000 annually.

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

- Applied 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.
- Led a collaborative effort with a multidisciplinary team to incorporate TPA insights into engineering processes, revolutionizing vehicle acoustics design and achieving a 25% improvement in sound quality metrics.
- Analyzed technical data and presented actionable insights to key stakeholders, driving data-driven design improvements resulting in a 15% boost in conversion rates and a 20% increase in user satisfaction metrics.
- Executed advanced data modeling initiatives to anticipate NVH outcomes, leading to a 25% decrease in prototype testing cycles, enabling faster product development iterations and significant time savings for the team.
- Conducted detailed data analyses to uncover essential NVH factors affecting vehicle performance, guiding a cost-effective strategy that delivered $2M in development savings and accelerated product enhancements.

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

- Implemented cutting-edge NVH measurement techniques on Airbus and Boeing AC systems, resulting in a remarkable 25% noise reduction and enhanced passenger comfort, setting a new industry standard for aircraft interior noise levels.
- Established in-depth analysis of NVH data to pinpoint and resolve inefficiencies in aircraft AC systems, leading to a substantial decrease in vibration levels by 40%, enhancing passenger comfort and safety.
- Engineered a seamless integration process between cross-functional teams to transform NVH data findings into strategic design alterations, leading to a 30% reduction in product development cycle time and a 10% increase in market share.
- Managed the optimization of NVH testing protocols for aircraft systems, leveraging advanced data analysis tools and signal processing techniques to streamline the evaluation process and improve 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