Anas Kouri

Brooklyn, New York | (929) 326-9154 | anas.kouri82@bcmail.cuny.edu | https://www.linkedin.com/in/anas-kouri/ | https://anaskouri.github.io/

EDUCATION

Brooklyn College, The City University of New York Expected December 2022
Master of Science - Computer and Information Systems GPA 3.93
- *Relevant Coursework: Artificial Intelligence - Machine Learning - Data Analysis and Visualization - Business Analytics - Database Systems - SQL - Big data technologies Probability & Discrete Mathematics - IT Project Management - Software Methodology*
- *Goldstein, Rose Memorial Scholarship – 36 ($2500)*

University of Poitiers, Poitiers National School of Engineering Poitiers, France
Master of Engineering - Energy and Systems Technology December 2020
- *Relevant Coursework: Statistics - Renewable Energy - Advance Engineering Analytics- Mechanical Engineering – Industrial Engineering*

Business School of the University of Poitiers Poitiers, France
Master of Business Administration – Business Management December 2020

CERTIFICATIONS

Google Data Analytics Professional Certificate Brooklyn, NY
Relevant Coursework: Data-driven Decision Making, Data Preparation, Data Cleaning, Data Management, Data Analysis, Data visualization March 2022

TECHNICAL SKILLS

Programming Languages: Python, SQL, MATLAB
Data Visualization tools: Tableau, Excel (Pivot Table, VLOOKUP, Nested if), Dash, Plotly
Databases & Software: PostgreSQL, MySQL, SPSS, Excel, Bigquery, Google Workspace, Heroku, git
Big Data & Machine Learning: Spark, Hadoop, Python (eg. scikit-learn, seaborn, numpy, pandas, plotly, matplotlib)
Foreign Language: French (Expert), Arabic (Expert)

PROFESSIONAL WORK EXPERIENCE

PSA Group Paris, France
Research & Development *Graduate Intern* July 2020 – December 2020
- Implemented Component-based transfer path analysis (TPA) technology to characterize NVH behavior of active automotive components for Peugeot, Citroën, and DS car brands.
- Conducted data-driven analysis of TPA measurements to take control over the vehicle NVH development cycle, reducing time by 30%.
- Reduced development time for new product variants by 35% through the use of predictive modeling.
- Delivered presentations on findings to cross-functional team of 10+ engineers, leading to adoption across 3 car brands.
- Technologies used: Simcenter Testlab, Microsoft Excel, MATLAB.

Liebherr Aerospace Toulouse Toulouse, France
Research & Development *Undergraduate Intern* May 2019 – October 2019
- Processed aircraft air condition system noise data measurements using nCode Vibesys, reducing analysis time by 50%.
- Successfully identified & characterized 4 out of 6 noise sources in aircraft air condition systems, providing valuable insights to the team.
- Analyzed over 1000 sound power levels data sets from different aircrafts, contributing to the development of a new generation of quieter aircrafts.
- Technologies used: Microsoft Excel, nCode, NVGate-OROS.

ACADEMIC PROJECT EXPERIENCE

Brooklyn College, The City University of New York
Renewable Energy Dashboard March 2022 – April 2022
- Developed a Python (Dash, Plotly) web application to analyze global renewable energy trends and forecast future growth.
- Visualized production changes of renewable energy for different countries and identified technologies that look most promising in transforming the energy mix.
- Through the use of data visualizations, I was able to communicate complex information in an easily digestible format which resulted in a more efficient decision-making process.

Covid-19 Data Exploration and Data Visualization March 2022 – April 2022
- Successfully gathered data from various sources to create a comprehensive view of how Covid-19 has affected people all over the world.
- Explored and analyzed Covid-19 Dataset using SQL and Microsoft Excel to find meaningful insights.
- Created data visualizations using Tableau to help communicate the findings to a non-technical audience.

Credit Card Applications March 2022 – April 2022
- Imported a credit card applications dataset using Python, conducting data exploration and manipulation.
- Successfully implemented logistic regression algorithm for data modeling and classification using Python, resulting in more accurate predictions.
- Calculated classification accuracy and confusion matrix to evaluate model performance.
- Conducted cross-validation of five folds to find the best performing model by running the GridSearchCV function.

University of Poitiers
Green'Sip, Intelligent management system for waste collection November 2017 – May 2018
- Developed an intelligent management system to optimize waste collection time by 20% and improve waste sorting by 10%.
- Communicated my method to the board, which resulted in the board approving the project.

LEADERSHIP EXPERIENCE

University of Poitiers
Co-founder of Green'Sip September 2017 – December 2020
- Founded and led a successful green club that implemented a more efficient waste management system on campus, resulting in a 30% reduction of waste sent to landfills.
- Organized campaigns to increase recycling rates by 20% among students and faculty.
- Worked with the school administration to create a new composting program for the dining hall which diverted 500 pounds of food waste from landfills each week.