Hamza IMLOUL

Data Analyst – Industrial engineer

Phone: +212610391886

Email: hamza.imloul@outlook.com
Code: github.com/himloul
Web: himloul.github.io

Professional experience

Data Analyst; Freelancer; Remote | 01/2021 – Now

- Offered services in Data analytics, Operations research, Supply chain Analytics, for international clients.

Data Operations Analyst; Mixtra; Agadir, Morocco | 09/2019 – 11/2020

- Designed the specifications, UI/UX, deployed the fleet tracking and resource management system.
- Analyzed sensors and geospatial data of 102 vehicles, prepared and cleaned datasets for reporting.
- Researched KPIs and metrics, presented insights using interactive data visualization, spatial maps.
- Produced statistical models to predict the behavior of the transportation process.

Assistant Project engineer; VIVO Energy; Casablanca, Morocco | 02/2018 - 06/2018

- Developed the specifications of the maintenance management system, for fueling equipment in aerodromes.
- Modelled a decision support tool for the renewal of equipment. Saved operational and maintenance costs.
- Delivered risk mapping, Analyzed business continuity plan in aerodromes.

Data analyst; Morocco Postal Services; Rabat, Morocco | 07/2017 – 08/2017

- Modelled the parcels' routing time, prepared datasets, Increased the accuracy of the routing's metrics.

Assistant Logistics engineer; Morocco National Railways Office; Rabat, Morocco | 03/2017 – 06/2017

- Designed an application to structure the transported products data, monitoring and analyzing trains Freight,

Projects (Selected)

Fleet management platform: Designed R Shiny app: managed fleet using Kanban, visualized spatial data on map.
Automated pattern extraction from Proofs of delivery: Reduced operation cost and time by 96% #OCR #R
Driver behavior clustering: Segmented drivers based on their behavior. #Hierarchical Cluster Analysis
Anomaly detection tool in the transportation process: exposed wasting time #Anomaly detection #R

Studies

Eng. in Industrial engineering, minor in Operations research and Supply chain management.
Ecole Mohammadia d'ingénieurs ; Rabat, Morocco ; 2018

Relevant courses: Data mining • Statistical process control • Operations research • Simulation • Forecasting

Two years undergraduate degree in Applied Mathematics. With distinctions
Ibn Zohr University; Agadir, Morocco; 2014

Certifications

Enterprise Design Thinking Practitioner; IBM | 12/2020, View
Foundations of Strategic Business Analytics; ESSEC Business school | 12/2020, View

Additional information

Programming skills:	Python {Pandas, Numpy, Requests}, R, C++, Arena, Excel, SQL, CPLEX, Jupyter.
Data Science:	R {R-Shiny, Tidyverse, sf, httr, R-Markdown}, GitHub, ERP, Rest API, JSON
Visualization tools:	ggplot2, Plotly, Leaflet.js, Tableau, PowerPoint, Illustrator, Power BI
Languages:	English (Fluent), French (Fluent), Arabic (Native)
Others:	Scientific Illustration, Data visualization, Hiking, Game design, Research