Hamza IMLOUL

Industrial engineer, Data Analyst
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Professional experience

Operations Data Analyst; Mixtra Trans; Agadir, Morocco | 09/2019 – 10/2020

- × Structured and organized the fleet management system, that ensures client's specifications and quality standards.
- × Monitored the fleet utilization in terms of demand, capacity and availability, Detected Anomalies in process.
- × Specified metrics and developed a Dashboard to present information using data visualization techniques.
- × Optimized the vehicle assignment solution within the Fleet management system, that reduced related costs
- × Maintained and updated Master Data, prepared data pipelines, ensured the accuracy of Data Analysis.

Development assistant engineer; VIVO Energy; Casablanca, Morocco | 02/2018 - 06/2018

- × Developed the technical specifications and the User interfaces of the CMMS, for fueling equipment in aerodromes.
- × Implemented a decision support tool for the renewal of equipment. Saving operational and maintenance costs.
- × Delivered risk mapping, analyzed business continuity plan, determined the number of resources needed.

Development intern; Al Barid Bank; Rabat, Morocco | 07/2017 – 08/2017

- × Modelled the parcels' routing time, prepared datasets, that increased the accuracy of the metrics related to quality

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

- × Structured the transported products data, monitored and analyzed trains Freight, and increased team productivity.

Discovery internship; Lafarge-Holcim; Meknes, Morocco | 07/2015

- × Studied the dosing regulator equipment: DISOCONT.

Projects (Selected)

Fleet management platform: Designed R Shiny application: managed fleet using Kanban, visualized requests 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 while driving. #Hierarchical Cluster Analysis
Anomaly detection tool in the transportation process: exposed wasting time #Unsupervised anomaly detection #R

Studies

M. Eng. Industrial engineering, Supply chain management
Ecole Mohammadia d'ingénieurs ; Rabat, Morocco | 2014-2018
- Relevant courses: pricing, Forecasting, Statistical process control, Operations research, Manufacturing processes

Two years degree in Applied Mathematics. With distinctions
Ibn Zohr University; Agadir, Morocco | 2012-2014

Certifications

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

Additional information

Industry:	Pricing, Manufacturing, Lean Six Sigma, Data mining, Simulation, TQM
Programming skills:	R, Python, C++, Matlab, Excel, SQL, Arena, CPLEX, Web services
Visualization tools:	ggplot2, Plotly, Leaflet.js, Tableau, Excel, PowerPoint
Languages:	English (Fluent), French (Fluent), Arabic (Native)
Others:	Graphic drawing, Data visualization, Hiking, Design thinking, research