

Joffrey Joumaa

Product Owner

Summary

Data-driven and innovative professional with 8+ years of experience in both industry and academia.

- Coordinating the efforts of a cross-functional team of 6 professionals across 4 countries
- Developing a graphRAG-based chat application as a proof of concept
- Establishing data contracts to refine data management strategies
- Leading the development of knowledge graphs and ontology embeddings for enhanced semantic search

I am passionate about combining strategic vision with technical expertise to drive impactful outcomes.

Experience

Currently	Product Owner – NOVO NORDISK (Copenhagen, Denmark)CPH, DK <ul style="list-style-type: none">→ Managing backlog and engaging 20+ stakeholders for digital transformation→ Enabling knowledge graph development, enriched data contract implementation, and standardized ontology-based terminology
2021 - 2023 (20 months)	Semantic Engineer - Ontology Steward <ul style="list-style-type: none">→ Enhanced data management via automation, pipelines and knowledge graphs→ Ensured project continuity by temporarily assuming PO responsibilities
2021 - 2023 (20 months)	Postdoctoral Researcher – UCSC (CA, US)CA, US <ul style="list-style-type: none">→ Turned motion sensors information into valuable marine ecology research→ Web app, R package, Classification, Containerization (Git, R, Python, Docker)
2020 - 2021 (17 months)	Data Scientist – THEGREENDATA (Paris, France)Paris, France <ul style="list-style-type: none">→ Time Series Forecasting, Classification, Monte-Carlo simulation (Git, Python)→ Web app (Git, Shiny, Dash/Plotly)
2018 - 2020 (17 months)	Data Consultant – SÆGUS (Paris, France)Paris, France <ul style="list-style-type: none">Data Scientist - GROUPAMA<ul style="list-style-type: none">→ Leverage data to improve customer experience (Spark, Dataiku)→ Conversion rate models (Python, Dataiku)Tableau Practice Leader - BOLLORÉ LOGISTICS<ul style="list-style-type: none">→ Support & Expertise with Tableau (Desktop, Prep and Server)→ Creation of a Data Vizualisation poleData Analyst - L'ORÉAL<ul style="list-style-type: none">→ Creation, maintenance & support of data viz (Domo)→ Worldwide context (> 3500 users, 64 countries)
2018 (4 months)	Biostatistician – IT&M STATS (Paris, France)Paris, France <ul style="list-style-type: none">Biostatistician - Da Volterra<ul style="list-style-type: none">→ Statistical analysis for 16S metagenomic data→ Management of subcontracting analyses
2017-2018 (7 months)	Data Analyst – MALAKOFF MÉDÉRIC (Paris, France)Paris, France <ul style="list-style-type: none">→ Customer call reminder segmentation - « Customer Services » Department→ Text Mining (Topic Modeling, Regular Expression, Cloudword)
2016–2017	Gap year (France)France <ul style="list-style-type: none">→ Writing Scientific Papers & Postdoc Projects, MOOCs
2013–2016 (38 months)	PhD – CNRS (UK & France)France & UK <ul style="list-style-type: none">• Regression (Logistic, Linear, Additive, etc.)• Classification (Random Forest, K-means, KNN, SVM, etc.)• Statistics (Multivariate Analysis, PCA, etc.)• Signal Processing (Spectral Estimation, Signal Filtering)

Education

2013–2016 **PhD in Quantitative Ecology**

University of La Rochelle, La Rochelle, France

PERSONAL INFO

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LANGUAGES

French ●●●●●
English ●●●●●
Danish ●○○○○

TECHNICAL SKILLS

Python (pandas, scikit-learn, dash, matplotlib, ...) ●●●●●
R (data.table, dplyr, ggplot2, caret, shiny...) ●●●●●
Git, Docker, Quarto ●●●●○
LaTeX ●●●●○
Tableau ●●●●○
SQL ●●●●○
Dataiku ●●●○○
Matlab ●●●○○

HARD SKILLS

Machine Learning Data Visualization
Quantitative Analysis Statistics
Data Wrangling