

# Joffrey Joumaa

Product Owner

## Summary

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

- PhD in Quantitative Ecology, applying motion sensor data to wildlife research
- 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	<b>Product Owner – NOVO NORDISK</b> (Copenhagen, Denmark)	CPH, DK
	Semantic Engineer - Ontology Steward	
2021 - 2023 (20 months)	<b>Postdoctoral Researcher – UCSC</b> (CA, US)	CA, US
	→ Turning motion sensors information into valuable marine ecology research	
	→ Web app, R package, Classification, Containerization (Git, R, Python, Docker)	
2020 - 2021 (17 months)	<b>Data Scientist – THEGREENDATA</b> (Paris, France)	Paris, France
	→ Time Series Forecasting, Classification, Monte-Carlo simulation (Git, Python)	
	→ Web app (Git, Shiny, Dash/Plotly)	
2018 - 2020 (17 months)	<b>Data Consultant – SÆGUS</b> (Paris, France)	Paris, France
	Data Scientist - GROUPAMA	
	→ Leverage data to improve customer experience (Spark, Dataiku)	
	→ Conversion rate models (Python, Dataiku)	
	Tableau Practice Leader - BOLLORÉ LOGISTICS	
	→ Support & Expertise with Tableau (Desktop, Prep and Server)	
	→ Creation of a Data Vizualisation pole	
	Data Analyst - L'ORÉAL	
	→ Creation, maintenance & support of data viz (Domo)	
	→ Worldwide context (> 3500 users, 64 countries)	
2018 (4 months)	<b>Biostatistician – IT&amp;M STATS</b> (Paris, France)	Paris, France
	Biostatistician - Da Volterra	
	→ Statistical analysis for 16S metagenomic data	
	→ Management of subcontracting analyses	
2017-2018 (7 months)	<b>Data Analyst – MALAKOFF MÉDÉRIC</b> (Paris, France)	Paris, France
	→ Customer call reminder segmentation - « Customer Services » Department	
	→ Text Mining (Topic Modeling, Regular Expression, Cloudword)	
2016–2017	<b>Gap year</b> (France)	France
	→ Writing Scientific Papers & Postdoc Projects, MOOCs	
2013–2016 (38 months)	<b>PhD – CNRS</b> (UK & France)	France & UK
	• Regression (Logistic, Linear, Additive, etc.)	• Statistics (Multivariate Analysis, PCA, etc.)
	• Classification (Random Forest, K-means, KNN, SVM, etc.)	• Signal Processing (Spectral Estimation, Signal Filtering)

## Education

2013–2016	<b>PhD in Quantitative Ecology</b>	University of La Rochelle, La Rochelle, France
2011–2012	<b>University degree</b> Discovery of the business world	University of Bretagne Occidentale, Brest, France
2009–2010	<b>BSc in Biology - Biochemistry</b>	University of La Rochelle, La Rochelle, France

## PERSONAL INFO

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### Linkedin

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### Website

sesjo.github.io/portfolio/\*

## LANGUAGES

French	●●●●●
English	●●●●○
Spanish	●●○○○

## TECHNICAL SKILLS

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

## HARD SKILLS

Machine Learning	Data Visualization
Quantitative Analysis	Statistics
Data Wrangling	