



# JOÃO SOUSA

🏠 Aveiro, Portugal  
☎ +351 967 869 091  
🌐 [linkedin.com/in/jgsousa](https://www.linkedin.com/in/jgsousa)  
✉ [jobs@jgsousa.com](mailto:jobs@jgsousa.com)  
🐙 [github.com/jotinha](https://github.com/jotinha)  
🌐 [www.jgsousa.com](http://www.jgsousa.com)

## Skills

### Interests

Recommender Systems  
Deep Learning  
Computer vision  
AB Testing  
Large scale data processing  
Web App development

### Main Tools

#### Python

Numpy, Scipy, Pandas,  
Scikit-Learn, Keras, Flask

#### Big Data

Spark, Hive, Airflow, Luigi

#### Databases

SQL Server, Cassandra,  
MongoDB, Google BigQuery

#### Other

Kafka, Docker, Linux,  
Javascript

### Misc.

Fluent English speaker  
Experienced presenter

## Summary

I am a Data Scientist with 5 years experience in a fast growing e-commerce company, where I've helped develop the in-house recommendations and ranking systems. I am a creative, practical, data-driven professional with experience delivering Machine Learning algorithms at scale and managing and mentoring Data Science teams. I am passionate about working on product and taking ML algorithms from the whiteboard to the customer.

## Experience

### Principal Data Scientist – Farfetch

Jan 2019 - | Porto

- ▶ Technical Lead for a team of Data Scientists and Engineers working on the internal search & ranking algorithms
- ▶ Designed, planned and delivered multiple roadmap initiatives working closely with product and engineering teams
- ▶ Led initiatives to simplify the search & ranking system's architecture, decrease technical debt and improve development practices in Data Science
- ▶ Helped establish a Test & Learn mentality and workflow within the Data Science team

### Lead Data Scientist - Farfetch

Jan 2017 - Dec 2018 | Porto

- ▶ Led a team of Data Scientists working on recommendation algorithms
- ▶ Worked closely with engineering and product within a Scrum team
- ▶ Managed both research and delivery of projects, with a focus on fast iteration and hypothesis driven development
- ▶ Handled recruitment and on-boarding of new members
- ▶ Carried out several presentations to stakeholders and general audiences

### Data Scientist - Farfetch

Feb 2015 - Dec 2016 | Porto

- ▶ Designed and implemented personalized recommendation algorithms
- ▶ Built data pipelines for large scale data processing with Spark & Luigi
- ▶ Worked with Deep Learning for computer vision tasks
- ▶ Built high performance web API to serve recommendations
- ▶ Designed solutions for live deployment of Data Science products with Docker
- ▶ Developed web tools to aid visualization and demonstration of results

## Education

### PhD in Statistical and Computational Physics

2010-2014 | Universities of Minho, Aveiro and Porto | [www.map.edu.pt/fis](http://www.map.edu.pt/fis)

- ▶ Work on computer simulation of molecular systems and thermodynamics of phase transitions
- ▶ Experience with low level implementation of high performance Monte Carlo algorithms for molecular simulation (Fortran, C++) and in high level languages for data analysis (Python, MATLAB)
- ▶ Handled the setup, control and analysis of tens of thousands of individual simulations in a distributed computing environment (linux cluster)