



João Neves

Professional Experience

Senior ML Engineer @ [Farfetch](#), Lisbon (*June 2022-Present*)

Design and implement **recommendation systems** to improve the User experience on the Marketplace

- Successfully collaborated on developing a virtual assistant by leveraging LLMs for prompt engineering and effectively deploying it as an API.
- Proficiently contributed to implementing and optimising a Vector Search Engine (Vespa) to enhance recommendation systems.
- Design and implement recommendation systems to improve the User Experience
- Produce resilient, high-available and scalable systems to host ML models (e.g., APIs).
- Support ML development by implementing Data Engineering systems

Lead Tech Engineer & ML Engineer @ [Siemens](#), Lisbon (*January 2019-June 2022*)

Design and implement detection and analytics **cloud-based ML systems for CyberSecurity**

- In-house MLOps framework development
- Automation frameworks for clients
- Phishing analytics platform
- Malware detection engine
- Data Lake query costs optimization system
- **Technologies used:** AWS Cloud Services, Git, PyTorch, Python, Scala, Serverless Framework, Spark, Terraform

Data Scientist/Data Engineer @ [Marionete](#), Lisbon (*October 2016-December 2018*)

Design and implement Machine Learning use-cases

- Documents indexation with search capabilities for compliance (**Technologies used:** AWS Cloud Services, Elastic Search, Python)
- Platform to match conference attendants (**Technologies used:** Heroku, Jenkins, Python, Pandas)
- Malware detection engine (**Technologies used:** AWS Cloud Services, Keras, Python, Scala, Spark)
- Partner trainer certified by Cloudera

Software Engineer @ [SISCOG](#), Lisbon (*September 2013-September 2016*)

Model the domain of processes of planning railroad resources

- Intensive brainstorming of functionalities with the product managers
- Part of a development team for a new product with recent clients
- **Technologies used:** Lisp, ACL



Public Speaking

- [Big Things Conference](#) - **From euros to zero: using Probabilistic Data Structures to reduce costs**, Madrid (*November 2020*)
- [MXNet Deep Learning Meetup](#) - **AI vs Malware: Threat Intelligence @ Work**, Berlin (*February 2019*)
- [Seminário Diagonal IST](#) - **Variable Selection in Football Squads**, Lisbon (*November 2011*)



Education

- **Master (MSc) in Mathematics and Applications (Probabilistic and Statistics)** @ Técnico, Universidade Técnica de Lisboa, Lisbon (*2011-2013*)
- **Degree (BSc) in Applied Mathematics and Computation** @ Técnico, Universidade Técnica de Lisboa, Lisbon (*2007-2011*)



Master Thesis

Title: **The effect of an imperfect ground-truth in the evaluation of the performance of classifiers**

Supervisors: Prof. Maria do Rosário Oliveira

Description: [Link](#)



Programming Skills

Name	Level	Scope
Python	🟢 Working	Daily basis usage
Scala	🟡 Average	Used in previous projects
SQL	🟡 Average	Used in previous projects
R	🟡 Average	Main language used in University
Rust	🔴 Amateur	Only reading skills

Name	Level	Scope
Java	● Amateur	Only reading skills
HTML	● Amateur	Only reading skills
CSS	● Amateur	Only reading skills
JavaScript	● Amateur	Only reading skills
C	● Amateur	One academic project

Languages

Lang	Level	Scope
Portuguese	Proficient	Native
English	Upper-intermediate	Working language

Interests

- 🎮 Games: Playing games is an excellent way to relax
- ⚽ Football: Everything
- 📺 Audiovisual Art: Films and TV Shows

Links

[LinkedIn](#)[Twitter](#)[Github](#)[Website](#)[Email](#)