

Dinis Peixoto

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PROFESSIONAL EXPERIENCE

Checkout.com

Senior Machine Learning Engineer II

London, UK

Sep 2022 – Present

- Technical lead of Checkout's ML Fraud Detection system, responsible for scoring around 10M payments daily, managing a peak throughput of about 1k requests/second and latencies lower than 130ms (99th percentile).
- Operationalise ML models leveraging device and real-time features for the first time, resulting in improvements in recall of over 100% and 250%, respectively.
- Revamp feature store from the ground up, enabling efficient serving of 15B+ individual features with <10ms latency that power fraud detection and payment optimization use cases.
- Conduct technical interviews for Data Science/Machine Learning Engineering positions. Hire, onboard, and mentor 3 other engineers.
- Hero Award Winner, recognized as one of 10 winners in Q4 2024 for demonstrating the value *Athlete Mindset*.
- **Technologies:** *Python, Spark, Databricks, MLflow, Airflow, Snowflake, Redis, Terraform, AWS and XGBoost.*

FARFETCH

Senior Machine Learning Engineer

Lisbon, Portugal

Sep 2018 – Sep 2022

- Design and development of the *Fashion Knowledge System*, a system that leverages an *enterprise knowledge graph* to create knowledge about over 5M products using ML models (e.g. NLP, CV, Active Learning).
- Develop data and machine learning pipelines leveraging large models (e.g. BERT, BLIP) to load more than 500 million RDF triples into a Knowledge Graph using distributed processing tools.
- Define company-wide guidelines for Python and Machine Learning projects. Driver of an internal community of 30+ Machine Learning Engineers. Author of a blog post about [Mob Programming](#) and internal frameworks.
- Establish hiring guidelines and conduct technical interviews for Software/Machine Learning Engineering positions. Hire, onboard, and mentor 5 other engineers, with emphasis on their technical growth.
- **Technologies:** *Python, Spark, Databricks, MLflow, Airflow, Kubernetes, Stardog, Kafka, Cassandra, Terraform, Azure and PyTorch.*

PROJECTS

- **Personal blog** ([dinispeixoto.com](#)): over 10 blog posts and quick write-ups (*Today I Learned*) about topics such as distributed systems, software, and machine learning engineering.
- **Brands Recommender** ([GitHub](#)): a system that relies on product data to provide the top N recommendations for over 1000 brands available at [farfetch.com](#).
 - *Technologies:* *Python, TF-IDF, Cosine Similarity, GitHub Actions, and Azure ML.*
- **Invoice Scanner** ([GitHub](#)): an application that uses OCR (Optical Character Recognition) to extract data from invoice photos.
 - *Technologies:* *Tesseract OCR, ImageMagick, Ruby, ELK stack, and Docker.*

EDUCATION

University of Minho

Master's degree, Distributed Systems and Applications Engineering

Bachelor's degree, Software Engineering

Braga, Portugal

Sep 2014 – Sep 2019

- **Vice-President at Software Engineering Students Union:** managed around 25 students in over 50 activities, some with hundreds of participants from different courses.
- **Mentor and Organizer at Coderdojo:** responsible for organising monthly free programming sessions for up to 30 participants, most between 7 and 17 years old.