

André Patrício

Software Engineer

Lisbon, Portugal
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SKILLS

Python

Java

SQL

Django

Data Science

Databases

Machine Learning

EXPERIENCE

Researcher — INESC-ID, Lisbon

September 2021 - Current

- Contributed to **3 multi-institutional research projects** and **authored 4 research papers** in Artificial Intelligence, Data Science, and Bioinformatics.
- Delivered compelling presentations at both **national** and **international forums**, elevating the visibility of the research.
- Awarded **Best PhD Student** of 2022.

Teaching Assistant — Instituto Superior Técnico, Lisbon

September 2020 - Current

- Lectured classes for **40+ Bachelor/Master students** across **5 courses**, covering topics in Data Science, Artificial Intelligence, and Databases.

Software Engineer Intern — Caixa Mágica Software, Lisbon

July 2019 - September 2019

- Developed a chat application to connect website users to an integrated **intelligent chatbot**.
- Successfully **structured** and **executed a project from scratch**, showcasing adaptability and the ability to master new technologies.

Software Engineer Intern — Banco da Saúde, Lisbon

December 2018 - May 2019

- Collaborated in an **Agile team** to develop a **Django** app, utilizing **Google App Engine**, **Jenkins**, **Selenium**, and **SonarQube**.
- Took charge of **unit** and **interface testing** responsibilities, ensuring the robustness and quality of the developed software.

PROJECTS

Hot Research Data Pipeline ([GitHub](#))

- Data engineering pipeline to **extract, process**, and **visualize** information from published scientific papers, utilizing **multiple public APIs**.
- Automated the pipeline with **Apache Airflow**, implemented data storage with **PostgreSQL**, accessed and manipulated data with **PySpark**, containerized the entire project with **Docker**, and implemented CI with **GitHub Actions**.

Custom Built Django Portfolio Website ([GitHub](#))

- Django Portfolio Website created from **scratch**.
- Configured to be run locally, edited through Django's Admin Panel, and **automatically generates** and **deploys** a static version of the website to GitHub Pages.

EDUCATION

Instituto Superior Técnico, Lisbon

- Bachelor and Master's degree in Information Systems and Computer Engineering**
 - Activities and Societies:** President of Núcleo Estudantil de Informática do IST (NEIIST).
 - Awards:** Everis Merit Award in Machine Learning, Academic Merit Certificate 2017/2018 and 2018/2019.