

# André Patrício

## Software Engineer

### LINKS

[GitHub](#)[Website](#)[LinkedIn](#)[Google Scholar](#)

### EMAIL

[andremppatricio@gmail.com](mailto:andremppatricio@gmail.com)

### LOCATION

Lisbon, Portugal

### EDUCATION

#### Instituto Superior Técnico, Lisbon

Graduated in June 2021

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.

### SKILLS

[Python](#)[Go](#)[Java](#)[SQL](#)[Django](#)[Spark](#)

### EXPERIENCE

#### Computer Science Researcher • INESC-ID

September 2021 → Current Lisbon

- Developed multiple **algorithm prototypes** to test and evaluate **cutting-edge** computer science hypotheses.
- Contributed to **3 multi-institutional research projects** and **authored 4 research papers** in Artificial Intelligence, Data Science, and .
- Awarded **Best PhD Student** of 2022

#### Teaching Assistant • Instituto Superior Técnico

September 2020 → Current Lisbon

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

#### Software Engineer Intern • Caixa Mágica Software

July 2019 → September 2021 Lisbon

- 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

December 2018 → May 2019 Lisbon

- 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 • [andreppatricio/hot-research](#)

- Data 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**.

#### The Wikipedia Game Player • [andreppatricio/wikiplayer](#)

- Golang** project that gives solutions for **The Wikipedia Game** where the player must find a path between two Wikipedia webpages.
- Resorts to **web scrapping**, **multiple search algorithms**, and **parallel computing** to return a path in just a **few seconds**.

#### Custom Built Django Portfolio Website • [andreppatricio/andreppatricio.github.io](#)

- 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.