

João Coelho

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EDUCATION

Secondary School

DOM DIOGO DE SOUSA

Set. 2018 - Jun. 2021

Bachelor of Software Engineering

UNIVERSITY OF MINHO

Set. 2021 - Jul. 2024

Master of Software Engineering

UNIVERSITY OF MINHO

Set. 2024 - Present

WORK EXPERIENCE

Yari Labs

FRONTEND DEVELOPER INTERN

Braga, PT

Jun. 2024 - Jul. 2024

- Developed and implemented features for a market website using Vue.js.
- Worked closely with backend developers to integrate frontend components with backend APIs.
- Participated in daily stand-ups and sprint planning meetings to prioritize tasks and track project progress.

CoderDojo

PYTHON MENTOR

Braga, PT

Mar. 2024 - Present

- CoderDojo is a free, volunteer-led, community-based computer club with the objective of teaching programming to a younger audience (ages 7-17).
- Engage as a dedicated volunteer Python mentor, empowering more than 30 young enthusiasts with coding skills and fostering a love for technology.

Cesium

CAOS COLLABORATOR

Braga, PT

Mar. 2024 - Present

- Cesium is a student organization at the University of Minho for software engineering students, providing opportunities for networking, collaboration, and skill development.
- Collaborate as a member of the CAOS (Centro de Apoio ao Open-Source) department, which is responsible for all software development activities within Cesium.

AWARDS AND ACHIEVEMENTS

BugsByte Hackathon 2025

OVERALL WINNER - BEST PROJECT

Braga, PT

March 2025

Developed “GenieBuy”, a GenAI-powered product recommendation engine that won against 15+ teams. Created a web app that converts natural language descriptions into product recommendations by:

- Scraping clothing websites and generating embeddings for thousands of products using LLMs;
- Implementing vector similarity search (cosine similarity) to match user queries with relevant products;
- Building a user interface that redirected to original product pages, increasing potential conversion rates.

SINGLESTORE THEME WINNER

Leveraged SingleStore’s vector database capabilities to efficiently store and query product embeddings, enabling real-time semantic search across large product catalogs with minimal latency.

SKILLS & INTERESTS

Technical: Python, JavaScript, TypeScript, Elixir, Phoenix, Vue.js, HTML, Tailwind CSS

Language: Portuguese (Native), English (Proficient)

Interests Artificial Intelligence, Machine Learning, Distributed Systems, Network Security, Cybersecurity