

Training and Qualifications

Bachelor's student in AI & Data Science,
University of Porto, Porto
09/2025 – Current

Skills

Javascript | Python | Databases (SQL) |
Other programming languages and technologies |
Development using AI concepts

Interests

- Programming
- Entrepreneurship
- Football

Languages

Portuguese

Native

English

C1

German

A2

Achievements

National Science Fair 2025

Selected to present the "Sudoku Solver" algorithm.

Academic Excellence

High Distinction in Economics A (19.8/20) and Math A (18.4/20).

GameJam+

Finalist in the game development marathon.

Sports

Regional Table Tennis Champion (Singles & Team);
Madeira Football Cup Winner.

Professional Experience

Developer, JuniorAI

09/2025 – Present | Porto, Portugal

Developing full-stack web solutions and integrating AI concepts. Collaborating with a team of student developers to build scalable software and solve technical challenges for clients

Kitchen Assistant

Summer 2022 and Summer 2023
Funchal, Madeira Island

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Profile

AI & Data Science student at the University of Porto. Self-taught programmer since age 15, with practical experience in Full-Stack development (JavaScript, Python). Finalist at the 2025 National Science Fair with a logic-based algorithm project. Passionate about solving complex problems through code.

Projects

Sudoku Solver Algorithm

2025

Developed a **JavaScript**-based algorithm utilizing **backtracking** and **recursive search** to solve complex Sudoku puzzles. The frontend was built in React. Try it! <https://sudokucustom.vercel.app/>

Social Event Planner Platform

11/2023 – Present

- Developing a comprehensive full-stack application for scheduling and managing social gatherings.
- Architected with **Node.js** and **Express**, integrated with a **MySQL** database for structured data management.
- Built a responsive web frontend with **React** and a cross-platform mobile application using **React Native**.
- Source code: github.com/serraoafonso/meeting