



João Luis Saraiva Costa

Masters in Computer Science

Lisboa

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I am a first year Master's student in Computer Science, specializing in Software Development, Cybersecurity, and Distributed Systems. I am looking for an internship or a role in these fields where I can apply both my academic and extracurricular experience. I am eager to start my professional journey, contributing to a company's success while developing my knowledge and skills!

EDUCATION

Master's in Computer Science at Instituto Superior Técnico

[09/2024 - Present]

Focus areas: Distributed Systems, Cybersecurity and Software Development. Current classification: 15.

Bachelor's in Computer Science at Instituto Superior Técnico

[09/2021 - 06/2024]

Final classification: 14.

EXTRA-CURRICULAR ACTIVITIES

NEIIST Member of Software Development Team

[04/2025 - Present]

Joined the development team of the IST Computer Science Student Association, contributing to a dynamic website featuring thesis topic search, a merchandise store, and detailed information on student initiatives. Enhanced teamwork abilities by contributing to the development of software that supports and benefits thousands of students.

Security Club Member at IST

[08/2023 - Present]

I joined the STT team to learn more about cybersecurity. We work on activities like Capture The Flag challenges, solving exercises based on real security problems. Here, I am developing my problem solving and teamwork skills.

Magma Studio Ambassador

[08/2022 - Present]

In this role, me and my team, promote company's events directly to students, helping them find valuable opportunities. It's been an experience focused on teamwork and clear communication with both my team and the students I engage with.

Monitoring of autonomous vehicles at IST

[06/2018]

I worked with a small robot that had two DC motors controlled by an Arduino. My work involved programming it to follow a path with instructions, programming and controlling it through Bluetooth and using a camera.

VOLUNTEERING

Summer School Monitor

[06/2021]

Me and my team supervised 40 children at a summer camp for two weeks, organizing activities and ensuring their safety as a team of 10 volunteers, where team work was a must with big responsibilities.

SPORTS

Taekwondo as Federated Athlete, Referee and Monitor (Represented IST 3x at Nacional Championships)

I started practicing Taekwondo at 10 years old and have competed in over 200 tournaments. I proudly represented IST at the National University Championships in 2023, 2024 and 2025, obtaining in each of these competitions a place at the podium. As a certified referee, I was present at district and national championships and have also taught Taekwondo to more than 30 younger athletes.

This journey taught me discipline and strong time management to balance Taekwondo with other life commitments.

CURRICULAR AND PERSONAL PROJECTS

Software Engineering Project

Collaborated in a team of 6 using agile methodology to develop a platform connecting volunteers with organizations, focusing on security. Built the backend with Java (Spring Boot) for authentication and feature handling, used PostgreSQL for data storage, and developed the frontend with Vue.js and TypeScript.

Network Security Project

A secure ticket validation system built with Flask (Python) and MariaDB, featuring TLS encryption, input validation, and encrypted WebSocket communication for real-time ticket management and validation.

Open-Source Contributions

Bug Fix: Fixed a bug in an open-source YouTube Chrome extension by improving the headbar's transparency feature.

Feature: Added a functional feature of assigning keybind shortcuts to execute user desired commands.

Personal Project: Notelt

Notelt is a modern note taking app that helps students organize their thoughts, tasks, and documents. Built with React and Flask, it offers a clean interface and seamless experience for managing notes with full Markdown support.

TECHNICAL SKILLS

Digital:

Java - C++ - Python - C - JavaScript - TypeScript - Go - PHP - Assembly - Bash - SQL (MySQL, PostgreSQL, MongoDB) - Backend Frameworks (Express.js, Flask, Spring Boot) - React.js - Vue.js - Linux - Git - Docker - Agile - Cryptography - Figma - API's

Languages:

Portuguese (Mother), fluent in English.