



João Luis Saraiva Costa

Masters in Computer Science

Lisboa

937033460 • joaoluissaraivacosta@gmail.com • [LinkedIn](#) • [GitHub](#) • [Personal Site](#)



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

[2024 - Present]

Focus areas: Distributed Systems, Cybersecurity and Software Development.

Bachelor's in Computer Science at Instituto Superior Técnico

[2021-2024]

Final classification: 14.

MEMBERSHIPS

Magma Studio Ambassador

[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.

Security Club Member at IST

[2022 - 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.

INTERSHIPS

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 through a camera.

Telecommunications INTELE at IST

[06/2019]

During this internship I learned about telecommunications and developed experience with circuit board assembly.

VOLUNTEERING

Summer School Monitor

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.

SPORTS

Taekwondo as Federated Athlete, Referee and Monitor (Represented IST at Nacional University Championship)

I started practicing Taekwondo at 10 years old and have competed in over 200 tournaments. I proudly represented IST at the National University Championship in 2022 and 2024. 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 has taught me the importance of discipline in every aspect of life, from training to teaching and officiating.

CURRICULAR AND PERSONAL PROJECTS

Integrated Project (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 keyboard shortcuts to execute user desired commands.

Software Engineering Project

A platform that connects volunteers with organizations focused on security. We used Java with Spring Boot to the API for user login, and other feature requests. PostgreSQL to store data. For the frontend, we used Vue.js with 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.

Software Security Project

A static analysis tool for detecting vulnerabilities in JavaScript code developed in Python. It analyzes information flow to identify illegal flows between sources, sanitizers, and sinks defined by configurable patterns.

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) - Node.js (Express.js, Flask, Spring Boot) - React.js - Vue.js - Linux - Git - Docker - Agile - Cryptography - Figma

Languages:

Portuguese (Mother), fluent in English.