



# João Luis Saraiva Costa

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## EDUCATION AND TRAINING

### High School Diploma, Sciences and Technologies

**Alfredo Dos Reis Silveira High School** [ 2014 – 2020 ]

Address: Av. 25 de Abril 1, 2840-400 Arrentela (Portugal) | Website: <http://www.esars.pt/>

### Bologna Degree in Computer Engineering

**Instituto Superior Técnico** [ 09/2021 – Current ]

Address: Av. Rovisco Pais 1, 1049-001 Lisbon (Portugal) | Website: <https://tecnico.ulisboa.pt/en/>

## LANGUAGE SKILLS

**Mother tongue(s):** Portuguese

**Other language(s):** English

## DIGITAL SKILLS

Python / C / C++ / Java / JavaScript / Git / SQL / HTML / CSS / Assembly

## NETWORKS AND MEMBERSHIPS

**Two Participations in Talent Bootcamp by Magma Studio as student** In 2022 and 2024, I had the opportunity to participate in the Talent Bootcamp event. Both sessions took place over two days and focused on personal development for the professional world. On the first day, there were a series of exercises in which participants were engaged to provide general professional clarification and communication development. On the second day, already prepared after the training, we were greeted by over 200 companies, where we could apply the work developed on the previous day and make a pitch about ourselves and present our objectives to develop knowledge and network with companies for future contacts. I have already participated in two sessions and intend to continue attending as I feel that I am greatly developing my communication skills

[ 10/2022 – Current ]

**Magma Studio Ambassador** Since my first time at Talent Bootcamp, I decided to join Magma Studio as an ambassador. In this role, I spread the word about the company and its events to students, promoting these activities. They're opportunities every student seeks and ones I also ensure to participate in. It's been an adventure where teamwork, shared leadership, and effective communication are crucial, both with my team and the students I reach out to.

[ 14/04/2023 – Current ]

**STT - Security Club of IST** Cyber Security is one of my interests in the IT area and so I decided to join this IST security team.

I joined with the intention of developing my knowledge and as a team we have activities like:

1. Capture The Flag (CTF) is one of our challenges where we as a team solve a variety of tasks that simulate real-world security scenarios. These tasks include vulnerabilities and the goal is to find hidden flags.
2. We hold group meetings every week to discuss problems and learn new techniques.
3. We develop security tools that help us later in the competitions.

I'm excited to contribute to the team, embracing initiatives with an important teamwork and effective communication to drive us toward success.

## **SPORT**

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### **Participation in National College Taekwondo Competition**

With 10 years old I started practicing Taekwondo in which I have represented several clubs and won several medals both in team and individual classes. To add to my goals, I had the opportunity to represent the academic association of IST in the National University Championship 2022, organized by FADU, classifying me in 3rd place. In 2024 I participated for a second time and once again secured third place. As a registered member of the federation, I've competed in over 200 tournaments.

### **Participation as referee in two official Taekwondo competitions**

Thanks to my Taekwondo experience, I became a certified referee for both technical and combat categories. I was asked to officiate in two championships, one at district level and one national. It required me to make quick decisions, handle fair play situations, work as a team to make good choices, and communicate well with both my team and the athletes. My leadership role changed depending on the referee position I held within the divided teams.

In those two competitions, I was in contact with a total team of 25 referees and over 250 athletes.

### **Taekwondo class monitor**

I've been invited and called upon numerous times to teach Taekwondo to younger age groups. I've conducted over 10 classes for more than 30 students.

## **INTERNSHIPS**

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[ 09/07/2018 – 13/07/2018 ]

### **Internship at IST - Assembly and Monitoring of autonomous vehicles**

I have been introduced to a little type of robot called "Rasteirinho" and with a help of a university professor, I was challenged to complete various courses. The robot was made of two little DC motors controlled by an Arduino nano, with the help of a computer that was placed on the top of the robot. The challenges were simple:

- Follow a path with a set of instructions given at the start
- Control the robot with Bluetooth
- Follow a black line using a camera

[ 01/07/2019 – 05/07/2019 ]

### **Internship at IST - Introduction to Telecommunications INTELE**

Throughout this internship, I have been introduced to the basics of telecommunications. The professors taught all about long and short distance communication, the basics of electromagnetism, the working basis of the internet and various pratic activities like soldering, fabrication of circuits boards and circuit assembly. In total, I

had the pleasure of talking with 15 postdoctoral researchers, 4 laboratory technician and one of the laboratory directors in NASA.

## VOLUNTEERING

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**Summer school monitor** I supervised a group of children for two weeks at a summer camp associated with my sport. Alongside other supervisors, we looked after 40 kids, organizing activities and ensuring their safety. We took them to beaches and parks for fun. It was volunteer work, and I did it to give back. About 10 of us worked together to handle any challenges that came our way.

## CHALLENGES

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[ 24/03/2023 ]

### **Participation in Best of Class/IST Management Challenge 2023**

At the event, my team and I ran a company, which followed my participation in the IST Management Challenge 21/22 during my studies. We made four decisions considering finances, aiming for the best choices across advertising, distribution, and production for three products. The event, held both online and in person, focused on improving our understanding of Strategy, Management, and Teamwork, followed by a workshop on Meta sponsored by Accenture.

With just 4 of us, splitting up tasks was key to get all the info we needed. I was chosen as team captain, guiding us and sharing out tasks to solve problems and adapt to challenges.