

Simão Pedro da Silva Vale de Gato

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EDUCATION

- 9.2023 - Present* **Master's degree in Computer Science and Engineering**
at Instituto Superior Técnico, Lisboa, Portugal
*Focused on Distributed Systems and Cyberphysical Systems specializations.
Expected graduation in November of 2025.*
- Research Grant: BLOCKCHAIN**
*Funded by Recovery and Resilience Plan (RRP) and Next Generation EU
European Funds.
Duration: July 2025 – December 2025.*
- 8.2024 - 12.2024* **Master's degree in Computer Science and Engineering**
at Norges teknisk-naturvitenskapelige universitet, Trondheim, Norway
*Erasmus Semester where took the courses Parallel Computing, Design of
Cyberphysical Systems, Real-Time Systems and Applied Data Science*
- 9.2020 - 8.2023* **Bachelor's degree in Computer Science and Engineering**
at Instituto Superior Técnico, Lisboa, Portugal
GPA: 15/20
- 9.2008 - 7.2017* **Basic Music Degree**
at Sintra's Music Conservatory, Sintra, Portugal
Instrument: Piano

WORK EXPERIENCE

- 1.2025 - 6.2025* **Teaching Assistant**
at Instituto Superior Técnico, Lisboa, Portugal
*Assisted in courses Ambient Intelligence (Master's course) and Introduc-
tion to Architecture of Computers (Bachelor's course)*

ACHIEVEMENTS

High School National Mathematics Exam: Achieved a perfect score of 20 (2020)

SKILLS AND QUALIFICATIONS

Programming Languages

Proficient Java, Python, Go, and C.
Intermediate Kotlin.

Technologies

Experienced with Linux, Windows, Git, GitHub, Docker.

Hardware/Embedded Systems

Experienced with Arduino and Raspberry Pi platforms.

Languages

<i>Native tongue</i>	Portuguese
<i>Fluent Language</i>	English (B2 (CEFR))
<i>Basics</i>	French (A1 (CEFR))

INTERESTS

Distributed Systems

Currently, at the beginning of my journey in exploring Blockchain technology applications in decentralized systems, focusing on enhancing data integrity and security.

Cyber Physical Systems

Interested about Ambient Intelligence and its integration with physical environments to improve human experiences and efficiency.

PROJECTS

Freelance Website Development (2023)

Independently developed responsive websites, enhancing skills in project management, client communication, and frontend/backend development.

Smart Engagement Room (2024)

Designed and implemented an IoT system leveraging real-time sensors and visual recognition to monitor user engagement. This project demonstrated my skills in data analysis, AI, and the integration of intelligent systems, inspiring my interest in Cyber-Physical Systems for improving safety and efficiency.

HOBBIES

Sound management

Responsible for managing sound equipment and logistics at my local church, demonstrating organizational and technical skills.

Sports

Enjoy running and playing football.

Coding challenges

Regularly engage in coding challenges.