

JOÃO PEDRO SOUSA GASPAR



Education

Master's degree in Aerospace Engineering

Sep 2022 – Now

Instituto Superior Técnico

- Aerodynamics and Propulsion specialization
- **Key subjects:** Incompressible and Compressible Aerodynamics, Helicopters, Computational Fluid Dynamics, Aircraft Optimization, Electric Propulsion for Aircraft, Project Management
- **Thesis Subject:** Pararotor Recovery System Design

Bachelor's degree in Electronics Engineering

Sep 2019 – Jun 2022

Instituto Superior Técnico

- **Key subjects:** Digital Systems, Communications Systems, Embedded Systems, Instrumentation and Signal Acquisition, Micro and Nanoelectronics, Computer Networks, Fundamentals of Automatic Control, Electronic Devices, Management

Experience

Scholarship

Nov 2021 – Jan 2025

ROB9-16 & Project "Oeiras Educa"

- Led STEM workshops and activities for thousands of children under the ROB9-16 project at Instituto Superior Técnico.
- Collaborated with Câmara Municipal de Oeiras to develop educational programmes, lectures, and student projects.
- **Developed Skills:** work with children, public speaking, teaching, communication

Técnico Fuel Cell

Jul 2022 – Apr 2024

Electrical Engineer

- Development of a telemetry system for a hydrogen powered car for Shell Eco-Marathon competition
- **Developed Skills:** electronics, PCB design, circuits and systems design, laboratory work

Volunteering

Mentor

Sep 2020 – Jul 2022

NAPE - IST

- Welcome and integrate new students to the school

Projet "Salas de Estudo Online"

Sep 2021 – Jan 2022

Núcleo de Desenvolvimento Académico - IST

- Providing personalized classes for the first years students helping with projects and examinations

Certifications

Advanced Certificate in English - 2019

First Certificate in English - 2018

Hard Skills

Programming Languages: Matlab, Python, C

Software: Simulink, LabView, Solidworks, STARCCM+

[Website](#) | [E-mail](#) | [LinkedIn](#)