



JOÃO DIAS

ELECTRICAL &
COMPUTER
ENGINEER

ABOUT

My main interests in the field are automation and robotics. I am a talkative person who easily integrates in group dynamics, always eager to learn and try new methods.

EXPERIENCE WITH

- ABB Robots
- Microcontrollers (ATmega and STMicroelectronics)
- Linux
- Docker

PROGRAMMING LANGUAGES

- Python
- C
- RAPID (ABB Programming Language)
- HTML
- PHP
- Javascript

LANGUAGE SKILLS


- Portuguese Native
- English Level C2 Proficiency

HOOBIES

- Home Automation
- Gym

CONTACT ME

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 [Profile Website](#)

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PROJECTS

Master Thesis: Enhancing Indoor Localisation: a Bluetooth Low Energy (BLE) Beacon Placement approach

Instituto Superior de Engenharia do Porto, Jan. - Dec. 2023

- Developed and validated an algorithm for optimal Bluetooth beacon placement in indoor locations, enhancing positioning accuracy and efficiency across various sectors.

Vigilance System

Instituto Superior de Engenharia do Porto, Oct. 2021 - Jan. 2022

- Linux distribution preparation for vigilance system using a webcam.

Thesis Project: Front end Inventory System for DEE Equipment

Instituto Superior de Engenharia do Porto, Mar. - Sep. 2021

- Inventory system developed for internal components organization only accessed by registered staff members from DEE department.

Smart Greenhouse

Instituto Superior de Engenharia do Porto, Oct. 2020 - Jan. 2021

- Smart Greenhouse controlled by a microcontroller using several sensors, such as LDR, temperature and moist as well as the respective actuators led, fan, heat resistor and water pump.

EDUCATION

Instituto Superior de Engenharia do Porto

Master's Degree in Electrical and Computer Engineering - Automation and Systems

- Year of Graduation: 2023

Bachelor's Degree in Electrical and Computer Engineering

- Year of Graduation: 2021

Centro de Atividades Educativas dos Carvalhos

English Level C2 Proficiency

- Year of Graduation: 2022

COMPETITION AND AWARDS

Open Robotics @ISEP

Industrial Robotics Manipulators 2023 - 1st Place

Industrial Robotics Manipulators 2022 - 1st Place

National Robotics Festival

Senior League - Industrial Robotic Manipulators 2023 - 4th Place

Senior League - Industrial Robotic Manipulators 2022 - 3rd Place