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Birth date: 14-10-1998

Lisboa, Portugal

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I am currently on the 1st year of my Masters at Técnico Lisboa. I want to be an Engineer because I am passionate about technology and its positive impact in the world.

I love learning new things and solving problems in a team.

## TECHNICAL SKILLS

Python

OpenCV

MATLAB & Simulink

C

C++

LaTeX

## MOOC COURSES

Moral Foundations of Politics  
Coursera - April 2021

Automate the Boring Stuff with  
Python  
Udemy - October 2020

Simulation and Control of Drones  
MOOC Técnico - April 2020

## LANGUAGES

English : Fluent

Portuguese : Native

# Vasco Faden da Silva de Vasconcelos Araújo

## EXPERIENCE

### UAV-ART

October 2020 - present

#### Collaborator

As a member of AeroTéc, the aerospace student society, I am on the project UAV-ART, which focuses on investigation and conception of a fixed-wing model airplane capable of autonomous navigation. I am on the Computer Vision team. We research new methods and techniques and write the algorithms that allow the UAV to perform an autonomous landing. The code is all written in Python using the OpenCV library.

### C2TN

July 2020 - August 2020

#### Intern

During the summer of 2020 I interned at C2TN, the Center for Nuclear Sciences and Technologies. I captured photos of old coins using the RTI (Reflectance Transformation Imaging) technique and made algorithms in MATLAB to extract unique information from each coin.

## EDUCATION

### B.SC AND M.SC. ELECTRICAL AND COMPUTER ENGINEERING

2017 - present

#### Instituto Superior Técnico, Lisbon

Major: Systems, Decisions and Control

Minor: Computers

Master's GPA: 16/20

Relevant courses: Image Processing and Vision, Spoken Language Processing, Algorithms and Data Structures, Automatic Control, Digital Signal Processing.

## ACTIVITIES

### PREPLX2021

February 2021 - present

#### Volunteer

PrepLx is a youth political team to plan a political agenda in preparation for Lisbon's local elections on October 2021. I am working on identifying problems in my community and coming up with solutions.

### SCOUTS

2011 - present

#### Scout Leader

As a scout I learned how to organize activities such as camping trips, a conference for more than 100 people and how to manage and guide a team. In October 2020 I joined the Scouts Leaders and began planning and making activities for young scouts aged 10-14 years.

### JUST A CHANGE

2019 - present

#### Volunteer

Just a Change is a NGO that aims to solve the negative impact that a lack of proper housing has on people's lives by rebuilding and transforming them into a home. As a volunteer my team and I helped on the rebuilding of different houses around Lisbon.

### JEEC

March 2018 - March 2019

#### Collaborator

Jornadas da Engenharia Electrotécnica e de Computadores (JEEC) is Técnico's ECE students career week. I participated as a volunteer in 2018 and joined the team the same year. As a member of the Business Contact team I had the responsibility to contact companies and convince them to acquire a spot in our event.