

# Ricardo Santos

Aerospace Engineering

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## Education

### MSc in Aerospace Engineering

Instituto Superior Técnico  
2024 - Currently

**GPA 16.79**  
(out of 20)

### BSc in Aerospace Engineering

Instituto Superior Técnico  
2016 - 2019

**GPA 15.58**  
(out of 20)

### High School Science and Technology Degree

Escola Dr. Mário Sacramento  
2013 - 2016

**GPA 18.7**  
(out of 20)

## Experience

### Software Engineering Intern — Six Floor Solutions

Summer 2024

- Developed data analysis software for internal use
- Improved upon existing Raspberry project using JavaScript
- Improved upon existing Audio Processing project using Python and Bash scripts

### Electronics Assembler — Inforlandia

2023

- Worked in the assembly of computers and electronic devices

### Teacher (Programming) — Happy Code Portugal

2019

- Prepared lessons and guided students through various coding projects

## Tech Skills

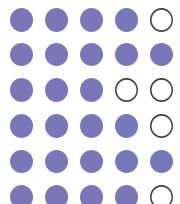
- Programming:** C, JavaScript, MATLAB, Python, React, Rust (learning)
- Simulation:** Altium, Cadence, CST, LTSpice, SimaPro, Simulink, Xilinx
- Modelling:** SolidWorks
- Documentation:** Office Suite, LaTeX, Adobe InDesign
- Multimedia:** Adobe Flash Professional CS6, Adobe Illustrator CS6, Audacity
- GameDev:** Blender, Unity

## Languages

- Portuguese:** Native language, fluent speaking/writing
- English:** Cambridge C2 equivalence, fluent speaking/writing
- Spanish:** Conversational level, basic speaking and comprehension skills
- German:** Beginner level, student of the language, enjoy working with it
- Greek:** Beginner level, student of the language, enjoy working with it
- Hindi:** Beginner level, student of the language, enjoy working with it

## Skills

- Hard work**  
**Organization**  
**Leadership**  
**Problem Solving**  
**Teamwork**  
**Flexibility**



# Extra-Curriculars

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## IST Run Lisboa

2017-2019

- University running group with training sessions twice a week
- Took part in organisation and promotion of events

## 49<sup>th</sup> International Physics Olympiad

Summer 2018

- Worked as a volunteer and guide to participants
- Was responsible for the Egyptian delegation

## Aerotéc

2017-2018

- Worked in the design of a student issued magazine in 2017
- Worked in the organization of events

## International Rocketry Workshop of Terrassa

Summer 2017

- Workshop consisting in a design competition of model rocket
- Participated as a member of the Euroavia Aerospace Student Association

## BEST Inside View 7<sup>th</sup> Edition

2017

- Job shadowing and mentoring event organised by BEST
- Spent a day in the installations of the companies ITG, Sintra, and CLC, Aveiras

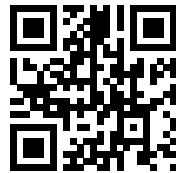
# Myself

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- **Self-taught Game Developing:** Completed a small 2D platformer demo with one level
- **Freelance animation:** Have produced videos with, in total, more than 2.9 million views on YouTube. Experimented extensively with Blender 2.5D
- **Ultra marathon project:** Trained for several ultra marathons having completed a Marathon, a 34 km mountain race in Azores in 2018, a 42 km, 49 km and 55 km races with different levels of difficulty
- **Self-taught piano player:** Trained half an hour to an hour everyday for two years and learned pieces from Debussy and Chopin
- **Self-taught language learner:** Frequently listen to audio lessons and use memory cards for writing and reading practice (approx. 700 cards/year). Currently learning Greek.

## Portfolio

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