

# Marcos Corpas

## Aerospace Engineering Student

Aerospace Engineering student with professional experience as a backend Python developer building APIs and analyzing data. Actively learning frontend technologies (Angular, React) aiming to become a full-stack developer. Passionate about UX/UI and creating intuitive, data-driven solutions.



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## EDUCATION

### Degree in Aerospace Engineering Universidad Rey Juan Carlos

09/2018 - 06/2025

### Scientific Baccalaureate Colegio Villa de Griñón

09/2016 - 05/2018

## WORK EXPERIENCE

### Project Engineer – Backend Developer Cisneria Engineering

07/2023 - Present

Developed backend APIs in Python and performed data analysis for Tail Assigner, a software used by **Vueling** and **Air Nostrum** to optimize aircraft routing.

#### Achievements/Tasks

- Contributed to automating tactical planning processes, improving assignment accuracy and reducing decision time.
- Occasionally collaborated on frontend tasks using Angular and performed basic SQL queries to support analysis.

### Volunteer Salesianos Parla

09/2018 - Present

Salesian youth animator and leisure-time monitor focused on mentoring and supporting the personal growth of disadvantaged young people.

### Private Tutor Self-employed

09/2019 - 05/2023

Tutored students aged 12-18 (ESO & Bachillerato) in Mathematics, Physics, and Science.

### Aerodynamics Designer Ü MOTORSPORT - URJC

09/2019 - 06/2021

Designed and optimized aerodynamic components for racing vehicles using CAD and CFD tools including SolidWorks and Ansys Fluent.

## STRENGTHS

Adaptability

Innovative

Ambitious

Proactive

Quick Learner

## PERSONAL PROJECTS

### Jesper3D (12/2020 - Present)

- Personal initiative focused on 3D design and printing, aiming to raise funds to support "Misiones Salesianas"

### Final Degree Project (09/2024 - Present)

- Developing an optimization-based web application using React, Python APIs, and data analysis techniques to enhance decision-making processes related to flight planning and scheduling.

## SKILLS

### Frontend & UX/UI

React (*learning*), Angular (*learning*), Figma, Adobe Illustrator

### Programming & Data Analysis

Python, C++, Excel

### Cloud & Tools

Azure (*basic*), AWS (*basic*), Git, Agile Methodologies

### 3D Design & Simulation

Fusion 360, Simplify3D, Airbus A320, Microsoft Flight Simulator

### B1 Driving License

Own vehicle

## LANGUAGES

### Spanish

*Native or Bilingual Proficiency*

### English

*Full Professional Proficiency*

### French

*Limited Working Proficiency*