

Marcos Corpas

Aerospace Engineer

Aerospace Engineer with professional experience as a backend Python developer building APIs and analyzing data for the aerospace industry. 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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📍 Parla

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🌐 mcorpas.pages.dev/

🐙 github.com/macorman06

EDUCATION

Degree in Aerospace Engineering

Universidad Rey Juan Carlos

09/2018 - 01/2026 (expected)

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.
- 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 - 10/2025)

- 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.

Personal Portfolio Website (10/2025 - Present)

- Developed a responsive portfolio website showcasing technical projects (APIs, data analysis, full-stack apps) with live demos, GitHub integration, and case studies to demonstrate problem-solving and development skills.

SKILLS

Frontend & UX/UI

React, Angular, Figma, Adobe Illustrator

Programming & Data Analysis

Python, C++, Excel, Postman, ApiDog

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