ADRIÁN MARTÍN AMPUERO

Aerospace Engineer & MBA

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SKILLS

CAPELLA · VirSat · CATIA · MATLAB · GMAT · MS Office · Python · HTML

Leadership · Integrity · Teamwork · Public Speaking · Problem Solving

COURSES & COMPETITIONS

🏅 **MBSE2024 Hackathon (ESA-DLR-OHB)**
- **Team Leader** of Cranfield Team
- Student Assistant for the organization of the Workshop

🏅 **UKSEDS IOSM Competition**
Project Manager for Cranfield University in UKSEDS Orbital Servicing contest

📖 **Fundamentals of Systems Engineering**
MIT Open Course

🏅 **Startup Challenge ActúaUPM 2019**
Competition hosted by the Technical University of Madrid

🏅 **Entrepreneurship Competition GMC 2019**
Global Management Challenge

STUDENT REPRESENTATIVE

President of the Student Representative Council

During my Master in Aeronautical Engineering.

Class Representative

During my Bachelor in Aerospace Engineering.

CERTIFICATIONS

Proficient English (C2 - IELTS)

Deutsch A2 Course

Casa internationale Sprachschule Bremen (Ongoing)

Professional Driving Certificate

From Spanish RACE Institution 2019

EXPERIENCE

System Engineer Intern
04/2024 - 10/2024

German Aerospace Center, DLR
Bremen, Germany

- Intern at the Systems Development and Project Office department, contributing to my Master's thesis on **requirements analysis** within MBSE applications
- Participating in the **APOSSUM** mission with ESA, targeting the exploration of asteroid Apophis in 2029, by addressing requirements and integrating them into the mission model using the MBSE tool "Virtual Satellite"
- Supervised by: Dr. Caroline Lange

Design Engineer Intern
09/2022 - 12/2022

Piedrafita Systems
Madrid, Spain

Piedrafita Systems has an extensive product portfolio in designing and developing mobility solutions for harsh working environments. My role in Piedrafita covered:

- Deep training in CATIA resulting in a professional level of domain
- **Achievements:** Established a new file-saving procedure across the entire department in order to complete CFD analysis. This method allowed for the reuse of files from previous analyses, saving significant time while achieving the same results. It was documented in the project bibliography

Program Coordinator
07/2018

Iale International School
Bray, Ireland

- Successfully managed a **team** of 8 monitors and ensured program completion
- Communicated consistently and proactively with **headmasters** and other **coordinators**

Program Monitor
07/2017

Iale International School
Bray, Ireland

- Member of a team of 8 monitors who supervised over 100 students in the program
- Organized day-to-day activities motivating scholars

EDUCATION

MSc in Astronautics and Space Engineering
Ongoing

Cranfield University
Cranfield, UK

- Designed and conducted an 8-month study on *Lunar Telecommunication infrastructure* with a team of 15 students as **Lead Systems Engineer**
- Managed mission requirements, stakeholder analysis, and cost estimation

Master's Degree in Aeronautical Engineering (Professional Qualification)
Ongoing

Technical University of Madrid
Madrid, Spain

Master of Business Administration (MBA)
09/2021 - 06/2023

ThePower Business School
Madrid, Spain

Bachelor in Aerospace Engineering
2016 - 2021

Technical University of Madrid
Madrid, Spain

- Final Degree Project focused on the evolution of the aerospace economy post-COVID

PROJECTS

ATENEA
Ongoing

Python software able to detect and locate Spanish traffic control helicopter. Based on Flight Data Monitoring FDM combining programming knowledge with aeronautical background.

- Currently **working** in several mobile devices
- Present dependency of FlightRadar24 ADS-B network
- **Short-term objective:** Build independent app offering monthly memberships