



Arnau García Cases

MASTER OF SCIENCE IN
AEROSPACE ENGINEERING
STUDENT

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LANGUAGES

Spanish: native

English: advanced (C1-CAE)

French: intermediate (B1)

KNOWLEDGE

Programming:

MATLAB, C, Python, Ada

Operating Systems:

User level: Windows, Linux,
MacOS

Others:

Microsoft Office, Wolfram
Mathematica, Latex, Arduino, RTO
(LithOS), QGroundControl, Docker,
PX4 autopilot

SKILLS

- Team work
- Time management
- Communication
- Autonomous learning
- Critical thinking

EDUCATION

MSc in Aerospace Engineering

Sep. 2021 - Current

Institut Supérieur de l'Aéronautique et de l'Espace
(ISAE-SUPAERO)

- Major in Embedded Systems.
- Activities and associations: swimming club and debate.
- Research Project: Space Traffic Management in a Blockchain.

Bachelor's Degree in Aerospace Engineering

Sep. 2017 - Jul. 2021

Universitat Politècnica de València (UPV)

- Groups: High Academic Performance (ARA), swimming team.
- Grade: 9.3/10
- Thesis: Design of autonomous mission simulation tool for unmanned aerial systems. Application to the HORUS UPV project. Grade awarded: 9.7/10
- Graduated with honors (top 5% of class) in 11 subjects.

EXPERIENCE

FLIGHT AND CONTROL SYSTEMS GROUP COORDINATOR

HORUS UPV

Sep. 2020 - Jun. 2022

- Managed a team of 8 people as a part of the student project HORUS UPV, whose aim is to develop Unmanned Aerial Vehicles.
- Aided in the development and implementation of flight control laws.
- Implemented open-source autopilot PX4 to carry out mission objectives.

INTERNSHIP

Istobal S.A., Valencia

Nov. 2019 - Feb. 2020

- Participated in a project to obtain the profile of a car before washing in order to optimise the process and achieve better results. The data collection process for the car's profile was carried out using a PIC microcontroller, with a custom-designed PCB, and later analysis with MATLAB.

INTERESTS

- Sports: swimming (10 years at competitive level), calisthenics (2 years of consistent practice), volleyball and table tennis.
- Associations: debating club.
- Reading: science fiction, fantasy, psychology, finances.
- Travel: Italy, Hungary, Peru, Paraguay, Chile, Argentina, Brazil, Ecuador, Dominican Republic, Costa Rica.