

Matteo Cirimelli | CV

Rome – Italy

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Experience

PhD candidate in Aeronautical Engineering

University La Sapienza, Rome

2025–ongoing

Sapienza Flight Team

Design and development of a tilt-rotor, fixed-wing UAV

2024–2025

Head of the Software and Autopilot division

- Development and testing of a in-house autopilot system, fully implemented in Matlab / Simulink;
- Development of a Software-in-the-Loop SITL simulation model, including aerodynamic characteristics of the aircraft obtained with AVL, for preliminary testing;
- Conducted several flight tests and analyzed flight data to ensure the robustness and reliability of the system.

Teaching Experience

2016–ongoing

- Tutor for teaching activities **La Sapienza Aerospace Department** 2024–2025
- Member of the Observatory Council for Didactics **La Sapienza Aerospace Department** 2020–2024
- Private lessons of math, physics, calculus for highschool and university students 2016–ongoing

Education

Master in Aeronautical Engineering

University La Sapienza, Rome

Final grade: 110 with honors

2022–2025

Thesis: Bayesian inference-based surrogate modeling for the physicochemical characterization and design of sustainable aviation fuels.

Bachelor in Aerospace Engineering

University La Sapienza, Rome

Final grade: 110 with honors

2019–2022

Member of the Bachelor's Excellence Program of the Aerospace Engineering Department

Liceo scientifico Innocenzo XII

Final grade: 100 with honors

2014–2019

Student representative

Computer skills

Basic: Wolfram Mathematica, ESTECO modeFrontier, STAR CCM+, Solid Edge, FORTRAN

Intermediate: Simulink, Python, MSC Nastran / Patran

Advanced: Matlab, Office Package

Languages

Italian: Mother tongue

English: C1 Advanced

Cambridge University, 2019