



Roberto Giovanni Sbarra

PROFILE:

MSc graduate in Space and Astronautical Engineering from La Sapienza University in Rome, with a special interest in the application of machine learning and artificial intelligence in aerospace subjects. Highly organised and resourceful and keen to take on new challenges.

EDUCATION:

MSc in Space and Astronautical Engineering

LA SAPIENZA, UNIVERSITY OF ROME
SEPTEMBER 2019 - 2023

Thesis:

"Development of an automated modal parameters identification method in OMA: experimental application to the Pazy wing"

BSc in Aerospace Engineering

LA SAPIENZA, UNIVERSITY OF ROME
SEPTEMBER 2014 - MAY 2019

Thesis:

"Analysis of the transferred power between structures, via friction phenomenon."

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Italy

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TECHNICAL SKILLS:

MATLAB

Simulink

MSC ADAMS

MSC MARC

Microsoft Office Suite

LANGUAGES:

Italian: native

English: Intermediate

EXPERIENCES:

Nano satellite project proposal

AEROSPACE SYSTEMS LABORATORY (S5LAB)
JANUARY - APRIL 2022

- Analysis and design of the EPS subsystem, part of a preliminary study of a nanosatellite mission.
- Improved team working abilities.
- Gained market awareness in the space industry.
- Developed power budget of different mission phases.

SKILLS:

- Organisation & Planning: I am able to maintain adequate preparation time for exams and group project deadlines. I use to develop schedules and timetables for my personal time management in order to prioritise tasks.
- Teamwork: Working in academic groups for assignments and for the Aerospace Systems Laboratory (S5LAB) allowed me to improve this skill.
- Adaptability: My experience as an off-site student has developed a very high level of adaptability as I have needed to be flexible and resilient.
- Critical Thinking & Problem Solving.