



Giosuè Zoccali



ABOUT ME

Aerospace Engineering graduate, recently completed a Master's degree in Space and Astronautical Engineering with a focus on "Space Transportation". I am seeking an internship that would allow me to apply the theoretical knowledge I have gained during my studies to practical work. My interests are primarily in fluid dynamics, specifically in propulsion and aerodynamics. I have a strong understanding of physical and engineering principles as well as practical skills in using specialized software.

Owner of a personal vehicle.

WORK EXPERIENCE

Private tutor

[09/2022 – Current]

City: Roma | **Country:** Italy

- Preparation for the Physics exam for the Faculty of Biology
- Preparation for the matriculation examination of the Faculty of Medicine

Telecommunications subsystem designer for the LEDSAT 2 space mission

S5Lab [07/2022 – 12/2022]

City: Roma | **Country:** Italy

- "Fly Your Satellite" program organized by ESA for university students
- Participation of our team in the ESA Selection Workshop
- Design of the telecommunications system for a CubeSat satellite
- Interface with other subsystems to ensure compliance with mission requirements

Designer in the development of an expander closed-cycle engine for a launch vehicle

University professor [09/2023 – 12/2023]

City: Roma | **Country:** Italy

- Teamwork on liquid rocket engine design
- Use of calculation software (Matlab) and computational fluid dynamics software (Ansys) for the design of various engine properties and components

Systems Engineer in the "Conceptual Design of a Space Mission" laboratory

University professor [03/2024 – 05/2024]

City: Roma | **Country:** Italy

- Teamwork on the design of an Earth observation space mission
- Definition of L1/L2 requirements
- Research and design of the camera used for Earth observation, constituting the satellite's payload
- Presentation of project developments to the professor

EDUCATION AND TRAINING

Master's degree in Space and Astronautical Engineering

Università La Sapienza [09/2022 – 24/01/2025]

City: Roma | **Country:** Italy | **Field(s) of study:** Space Transportation | **Final grade:** 110 | **Number of credits:** 21
| **Thesis:** Acoustic environment at lift-off: methodologies for the allocation and propagation of noise sources

This thesis, carried out as a company internship at Avio-Colleferro, allowed me to acquire significant expertise in the field of aeroacoustics. I refined my skills in the use of specialized software such as MATLAB and ANSYS and experienced six months of corporate life, engaging in meetings, deadlines, and teamwork.

Bachelor's degree in Aerospace Engineering

Università La Sapienza [09/2019 – 10/2022]

City: Roma | **Country:** Italy | **Final grade:** 110 | **Number of credits:** 5 | **Thesis:** Sottosistema di telecomunicazioni del satellite LEDSAT 2

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

Inglese

LISTENING B2 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Matlab / Fluent - Ansys / CAD (Solid Works, Solid Edge) / MSC Patran/Nastran / MSC-Marc Mentat / NASA CEA (base)

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".

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