 Curriculum vitae

PERSONAL INFORMATION   Riccardo Mariani

EDUCATION AND TRAINING

2024–Current **PhD in Space and Astronautical Engineering, "Thermal Propulsion Systems for a Small Satellites"**   QEQ 8
La Sapienza University of Rome

July 2024–Oct 2024 **Junior Researcher Scholarship**
La Sapienza University of Rome
"Preparation and experimental testing of a stationary water resistojet"

2021–2024 **Master Degree in Space and Astronautical Engineering**   QEQ 7
La Sapienza University of Rome

2018–2021 **Bachelor Degree in Aerospace Engineering**
La Sapienza University of Rome

PERSONAL SKILLS

Mother tongue Italian

Other languages

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English				
C1	C1	C1	C1	C1
International English Language Testing System (IELTS)				
French				
A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills – team work: I have worked in different teams, from university ones to sport-related ones
– intercultural skills: Having taken part in several MUNs, I am experienced at working in international contexts

Organisational / managerial skills – leadership

Professional skills – knowledge of space propulsion mechanisms
– knowledge of space-applied materials
– knowledge of space trajectories

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Basic user	Independent user	Independent user

Digital competences - Self-assessment grid

Computer skills	– Advanced knowledge of MatLab
	– Advanced knowledge of AutoDesk Fusion 360
	– Basic knowledge of Python
	– Basic knowledge of Arduino
	– Competent with most Microsoft Office programmes

Driving licence   B

OTHER INFORMATIONS

Certifications

(2020–2021) **IBM Applied AI**

Online Professional Certificate on Artificial Intelligence (AI).

Definition of AI concept and applications through hands-on projects using IBM Watson AI. Development of practical Python programming skills in Computer Vision, Visual Recognition and OpenCV for image processing and image classification.

Projects

– (2022–2023) **Sapienza Space Team - SASA**
Participated as a member in the mechanical subsystem to develop a planetary lander to compete in the CanSat competition organized by the American Astronautical Society (AAS) and held at the Virginia Tech, Blackburn.
– (2013–2017) **Rome International Model of United Nations (RIMUN)**
Worldwide simulation of the United Nations committees.
Participated as a delegate and as member of the International Court of Justice (ICJ) as a judge and as the chairman.

Personal data

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".