

● WORK EXPERIENCE

02/11/2021 – CURRENT – Rome, Italy

UNIVERSITY RESEARCH ASSISTANT – SAPIENZA UNIVERSITY OF ROME

2019 – 2020 – Rome, Italy

UNIVERSITY TEACHING ASSISTANT – SAPIENZA UNIVERSITY OF ROME

Teaching assistant for the course of "Space Missions and Systems" (9 CFU, ING/IND-05)

2018 – 2019 – Rome

UNIVERSITY TEACHING ASSISTANT – SAPIENZA UNIVERSITY OF ROME

Teaching assistant for the course of "Space Missions and Systems" (9 CFU, ING/IND-05)

● EDUCATION AND TRAINING

05/2021 – 07/2021 – Greenbelt, Maryland, United States

VISITING PHD STUDENT – NASA Goddard Space Flight Center

Visiting PhD student at NASA Goddard Space Flight Center.

Due to COVID-19 and travel limitations, the visiting activities have taken place online.

Advisor: Dr. Erwan Mazarico

Main subject: Development of precise ray tracing models for characterisation and computation of non gravitational accelerations in the context of NASA VERITAS mission

2018 – CURRENT – Via Eudossiana 18, Rome, Italy

PHD – Sapienza University of Rome

Advisor: Prof. Luciano Iess

Thesis title: Precise Orbit Determination Methods for the VERITAS Mission to Venus

Expected graduation date: February 2022

2016 – 2018 – Via Eudossiana 18, Rome, Italy

MASTER'S DEGREE IN SPACE AND ASTRONAUTICAL ENGINEERING – Sapienza University of Rome

Thesis: Calibration of Sloshing Effects in Radiometric Data of the JUICE Spacecraft by Means of a High Accuracy Accelerometer

Advisor: Prof. Luciano Iess

Awarded the "Excellent Graduate" prize

110/110 cum laude | <https://www.uniroma1.it/>

Thesis: Extension of interlacing property of eigenvalues to transfer FRFs and application to damage identification

Advisor: Prof. Annalisa Fregolent

Awarded of the "Excellence Education Pathway"

110/110 cum laude | <https://www.uniroma1.it/>

HIGH SCHOOL DIPLOMA – Liceo Scientifico Archimede

100/100

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN** | **FRENCH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

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

● **DIGITAL SKILLS**

Python | Matlab | JPL MONTE Navigation Toolkit | NASA/JPL/NAIF SPICE libraries | Pandas, Numpy, Scikit-learn, Scipy libraries | Linux/Unix OS | Windows CLI | Unix CLI

4/11/2021