

Nationality: Italian

● **WORK EXPERIENCE**

14/03/2017 – 14/06/2017

TRAINEE EUROPEAN SPACE AND TECHNOLOGY CENTER (ESTEC)

Address Noordwijk, Netherlands

30/11/2020 – CURRENT Rome, Italy

UNIVERSITY RESEARCH ASSOCIATE SAPIENZA UNIVERSITY OF ROME

● **EDUCATION AND TRAINING**

23/03/2019 – 29/03/2019 Pasadena, United States

CALTECH SPACE CHALLENGE 2019 Caltech

Design of space mission devoted to the exploration of Encelado.

Address Pasadena, United States | **Level in EQF** EQF level 8

28/02/2018 – CURRENT Rome, Italy

ASSISTANT OF PROF. LUCIANO IESS IN THE BACHELOR'S DEGREE COURSE OF SPACE ENVIRONMENT AND MASTER'S DEGREE COURSE OF SPACE SYSTEMS AND MISSIONS Sapienza university of Rome

Address Rome, Italy | **Level in EQF** EQF level 8

27/06/2018 – 27/06/2018 Rome, Italy

INVITED TALK: "ESA'S JUICE END-TO-END ORBIT DETERMINATION SIMULATION TO CALIBRATE ON-BOARD ACCELEROMETER" Sapienza university of Rome

Address Rome, Italy

19/04/2018 – 19/04/2018 Madrid, Spain

SECOND PRIZE AT THE 14TH PEGASUS STUDENT CONFERENCE PEGASUS

Prize for the second best thesis in the Aerospace field of theyear 2017.

Address Madrid, Spain | **Level in EQF** EQF level 7

31/10/2017 – 24/02/2021 Rome, Italy

PHD IN AERONAUTICAL AND SPACE ENGINEERING Sapienza university of Rome

Research focusing on the orbit determination process of the MORE experiment of the ESA's BepiColombo mission and of the 3GM experiment of the ESA's JUICE spacecraft. co-funded by European Space Agency (ESA) in the context of ESA's Networking/Partnering Initiative (NPI).

Address Rome, Italy | **Level in EQF** EQF level 8

15/04/2018 – 15/04/2018 Rome, Italy

EXCELLENT GRADUATE Sapienza university of Rome

Prize awarded to the best graduate students of the university.

Address Rome, Italy | **Level in EQF** EQF level 7

29/02/2016 – 30/10/2017 Rome, Italy

EXCELLENT PATHWAY IN SPACE AND ASTRONAUTICAL ENGINEERING Sapienza university of Rome

Special program of study for the best students of the faculty.

Address Rome, Italy | **Level in EQF** EQF level 7

30/09/2015 – 30/10/2017 Rome, Italy

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

110/110 with honors

Address Rome, Italy | **Level in EQF** EQF level 7

21/07/2017 – 29/09/2017 Boulder, United States

VISITING SCHOLAR University of Colorado

I developed and implemented, in the Basilisk software, a fully-coupled spherical pendulum model to simulate spacecraft propellant slosh. I was hosted in the lab of Prof. Hanspeter Schaub thanks to the ASI- CAIF grant.

Address Boulder, United States | **Level in EQF** EQF level 7

30/09/2012 – 02/11/2015 Rome, Italy

BACHELOR'S DEGREE IN AEROSPACE ENGINEERING Sapienza university of Rome

110/110 with honors

Address Rome, Italy | **Level in EQF** EQF level 6

28/02/2013 – 02/11/2015 Rome, Italy

EXCELLENT PATHWAY IN AEROSPACE ENGINEERING Sapienza university of Rome

Special program of study for the best students of the faculty.

Address Rome, Italy | **Level in EQF** EQF level 6

23/07/2015 – 19/08/2015 Bremen, Germany

CVA SUMMER SCHOOL CVA

I had lectures about the European launchers family and the possibility of having re-usable launchers. Furthermore, together with other students, I developed the design of a horizontal take-off and landing vehicle.

Co-funded by CVA and Sapienza university of Rome.

Address Bremen, Germany | **Level in EQF** EQF level 7

11/07/2015 – 22/07/2015 Alpbach, Austria

SUMMER SCHOOL ALPBACH 2015 FFG, ESA, ISSI and AUSTROSPACE

I had some lecture about mission design and quantum physics. Intense ten days of mission design leading to this work: [report](#), [presentation](#), which was selected for post-Alpbach.

Funded by ASI.

Address Alpbach, Austria | Level in EQF EQF level 7

● LANGUAGE SKILLS

Mother tongue(s): ITALIAN

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listenin	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

Microsoft Office | JPL MONTE orbit determination code | Python | MATLAB | Fortran | C++ |
Linux Windows Mac OSX

● ADDITIONAL INFORMATION

JOB-RELATED SKILLS

Job-related skills

Good ability in working in team
Good skills in leading and motivate a group to achieve a common goal