



PERSONAL INFORMATION

Federico De Grossi

 Via Cesare Ricotti, 00159 ROMA (RM)

 federicodeg94@gmail.com

Gender Male | Date of birth Dec 30 1994 | Nationality Italy

EDUCATION AND TRAINING

2019 - 2023 **Aeronautical and Space Engineering** EQF level 8

Sapienza Università di Roma

Doctor of Philosophy (Ph.D.)

*Principal subjects/occupational skills covered:*

Research topics: Space trajectories optimization, Space mission analysis, Optimization algorithms, Quantum computing

2016 - 2019 **INGEGNERIA SPAZIALE E ASTRONAUTICA** EQF level 7

Sapienza Università di Roma - Faculty of Civil and Industrial Engineering

2nd level-cycle degree/Master of Science (2 years)

*Principal subjects/occupational skills covered:*

- Astrodynamics, Space trajectories optimization, Mission analysis, Statistical Orbit Determination.
- Gas dynamics and Aerodynamics, Space Propulsion, Liquid and Solid rocket engines, Electric Propulsion.
- Structural analysis, Aerospace structures, Composite materials for aerospace applications.
- Control systems, Fundamentals of robotics and applications to space manipulators.
- Electronics.

2013 - 2016 **INGEGNERIA AEROSPAZIALE** EQF level 6

Sapienza Università di Roma - Faculty of Civil and Industrial Engineering

1st level-cycle degree/Bachelor (3 years)

Pre-university studies

Secondary school diploma: Scientific High School

School-leaving examination taken in (year): 2013

Italian secondary school diploma

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

|         | UNDERSTANDING |             |         |             | SPEAKING           |             |                   |             | WRITING |             |
|---------|---------------|-------------|---------|-------------|--------------------|-------------|-------------------|-------------|---------|-------------|
|         | Listening     |             | Reading |             | Spoken interaction |             | Spoken production |             |         |             |
| English | B2            | Independent | B2      | Independent | B2                 | Independent | B2                | Independent | B2      | Independent |
| Spanish | A1            | Basic       | A1      | Basic       | A1                 | Basic       | A1                | Basic       | A1      | Basic       |

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

Communication skills Good team-work skills, gained in team-works during university studies.

Digital competences

**STK Level 1 certification:** Level 1 certification of mission analysis and scenery simulation involving satellites,ground stations,planes. - AGI, 2018

**Basic digital competence:**

COMPUTER PROGRAMMING

**Programming languages:** MATLAB (Advanced) , Python (Intermediate)

Driving licence B