



Mohamed El Awag

Nationality: Italian **Date of birth:** 09/10/2000 **Gender:** Male

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EDUCATION AND TRAINING

Ph.D. Aeronautical and Space Engineering

Sapienza Università di Roma [2024 – Current]

City: Rome | Country: Italy

M. Sc. Space and Astronautical Engineering

Sapienza Università di Roma [2022 – 2024]

City: Rome | Country: Italy | Final grade: 110/110 Cum Laude | Thesis: Visual-Inertial Navigation for a Lunar Lander

Design authority for the 'Moon Radar Mapper' mission preliminary design at the Italian Space Agency Concurrent Engineering Facility (ASI CEF);

Excellence Path activity: Investigation of Computer Vision algorithms for space robotic systems Navigation;

B. Sc. Degree in Aerospace Engineering

Sapienza Università di Roma [2019 – 2022]

City: Rome | Country: Italy | Final grade: 110/110 Cum Laude | Thesis: Preliminary design of a robotic mission for the exploration of lunar Lava Tubes

Member of Sapienza Space Team as part of the Mechanical Subsystem for the CanSat competition;

Excellence Path activity: Investigation of the effects of General Relativity for the Global Positioning System;

Scientific high school diploma

Liceo Scientifico Statale L. Pasteur [2014 – 2019]

City: Rome | Country: Italy | Final grade: 100/100 Cum Laude

WORK EXPERIENCE

Junior Research Fellowship

Sapienza Università di Roma [01/05/2024 – 30/09/2024]

Analysis of synthetic optical data with Artificial Intelligence and Computer Vision algorithms

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s): Spanish

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

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

DIGITAL SKILLS

Programming Languages

MATLAB / Python

Software Frameworks

NASA's GMAT software / Simulink / Robot Operating System (ROS) / CAD (Solid Works, Solid Edge)

Operating Systems

Windows / Linux

Other

Microsoft Office / LaTeX

HONOURS AND AWARDS

[2024] Sapienza Università di Roma

Excellence Path in Space and Astronautical Engineering

[2022] Sapienza Università di Roma

Excellence Path in Aerospace Engineering

[2019] Ministero dell'Istruzione e del Merito

National Excellence Honours Roll

I authorize the processing of personal data in the Curriculum Vitae according to art. 13 D. Lgs. 196/2003 and art. 13 GDPR 679/16.