

ALESSIO VETTORATO

PROFESSIONAL SUMMARY

- Passion for the technology and aerospace industry, eager to gain hands-on experience.
- Ability to learn new skills, pivot roles and adapt to flexible working environments.
- Experience in coding, AI and ML related projects, 3D design, and a lot of teamwork and personal projects.

CONTACTS

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EXPERIENCE

Schaulerpratikum at Airbus Manching | July 2025

Airbus Space and Defense Manching

- Practical training course at Airbus Space and Defense Manching for activities such as soldering, cutting and bending metal for aircraft.

Nuclear Physics Research Stage | June 2025

University of Ferrara (UniFe) / INFN

- Nuclear physics stage hosted by the University of Ferrara in collaboration with the National Nuclear Physics Institute. Included a final team project.

Mechanical Engineering Stage | October 2024

University of Padova (Unipd)

- Electrical engineering course based around the Arduino platform hosted by the University of Padova.

Asiago Summer Camp | July 2024

National Astrophysics Institute (INAF) - Asiago Observatory

- Worked alongside astronomers at Italy's largest observatory.
- Telescopes control and data post-processing.
- Calculated star system parameters from acquired data.

3D Printing and Design Course | June 2024

Liceo E. Fermi di Padova

- Fusion 360, AutoCAD 2024, and 3D printing.
- Final project: complex 3D-designed and printed school decoration.

NAO Challenge Robotics Competition (7th place in Italy) | October 2023 – May 2024

NAO Challenge

- Programmed NAO robots for commercial scenarios with time-bound objectives.
- Team achieved 7th place nationally in the 2024 edition.
- Personally managed relations with commercial partners

Alba Siderurgica | June 2023

Alba Siderurgica S.p.A.

- Work stage at a local hardware/steel company.
- Website: <https://albasiderurgica.com/>

IPAZIA Project – Competition Winner | January 2022 – June 2023

Italian Space Agency (ASI)

- Developed a space-related voice assistant using provided TTS/STT engines.
- Raspberry PI with Python

ACADEMIC HISTORY

Liceo E. Fermi di Padova | 2021-2026

Liceo Scientifico - Scienze Applicate

- Secondary education with STEM focus
- Active in many extracurricular team projects

LANGUAGES AND SKILLS

- **Italian** — native speaker
- **English** — excellent (Cambridge C2 Certificate)
- **German** — basic
- Machine learning with PyTorch
- Agentic workflow design and implementation
- Web development
- Photography, video-making, color-grading and editing
- Teamworking and management
- C, C++, Python
- CAD modeling with AutoCAD, Fusion 360, Onshape and Solidworks
- Microsoft Office Suite