Giorgio Pacchione

Italy • pacchionegiorgio@gmail.com

Aeronautical engineering student with over one year of hands-on experience through internships and student team projects, coupled with an excellent academic record. Seeking a role in the aerospace, racing, or automotive industry to apply my knowledge of aerodynamics, fluid dynamics, and CAD design. Proven ability to work in collaborative team environments, offering a unique combination of technical proficiency and strong interpersonal skills.

Education

Politecnico di Milano — Milan, Italy
MSc in Aeronautical Engineering (Aerodynamics track), weighted average: 28.7/30 — Sept 2023 – Mar 2026 (exp)
BSc in Aerospace Engineering, 105/110 — Sept 2020 – Sept 2023
Merit based student at Camplus College Milano (2020)

ISAE ENSMA — Poitiers, France
Erasmus+ Program (specialisation: Energetics for Propulsion) — Jan 2024 – Jun 2024

Liceo Scientifico C. D'Ascanio — Montesilvano, Italy
High School Diploma, 100/100 — Sept 2015 – Jul 2020

Experience

NASA Jet Propulsion Laboratory — Pasadena, CA, USA
Student Intern — Mar – Oct 2025
- As part of my master's thesis, contributed to a NASA project on the exploration of Venus using scientific balloons, performing CFD and fluid–structure interaction studies for aerodynamic characterization

Gruppo ESEA — Cepagatti, Italy
CAD Design Intern — Jul – Aug 2024
- Developed 3D CAD models and technical drawings for industrial components, following ISO standards

Italian Space Agency (ASI) — Rome, Italy
High School Trainee — Jun 2018
- Completed work-based learning (alternanza scuola-lavoro) in space sector institutional activities

Activities

FlyMi EUROAVIA — Milan, Italy
Team Member — Sept 2024 – Sept 2025
Student association of Politecnico di Milano focused on the design and construction of remote controlled aircraft with the ambition of excelling in major international competitions in the field

Seminars and Workshops

Von Karman Institute for Fluid Dynamics — Sint-Genesius-Rode, Belgium
Participant — Nov 4 – 6, 2024
Measurement, Modelling and Simulation Techniques for the Design and Development of Novel Aircraft Architectures

Leonardo – Innovator Bootcamp — Milan, Italy
Participant — Nov 7 – Dec 12, 2024
Technology and innovation bootcamp organized with Leonardo S.p.A. at Politecnico di Milano

Skills & Interests

Languages: Italian (native); English (Cambridge FCE); German (Goethe A2); French (basic)
Programming: MATLAB, C, C++, HTML   **CAD:** Solid Edge, SolidWorks, Inventor
CFD: OpenFOAM, STAR-CCM+, SU2, XFOIL   **Interests:** Boy Scout, music, reading, combat sports

Honors and Awards

Politecnico di Milano "Incentivo Migliori Matricole" Award recognition and financial contribution for top performing first year BSc students