Alessio Piccolo

WORK EXPERIENCE

[1 Jan 2022 – 31 Dec 2024]

PhD Candidate

Sapienza - Università di Roma

City: Rome | **Country:** Italy

Industrial PhD in partnership with **Leonardo Labs**. The main activities are:

- Numerical simulation of **high-speed aerodynamic** problems
- Development of 3D compressible Navier-Stokes solver for **unstructured mesh**
- Coding on **GPU** architectures
- **Digital Twins** and **Advanced Simulations**
- **High Performance Computing** (HPC)

Supervisor: **Sergio Pirozzoli**

[1 Sep 2020 – 1 Oct 2021]

Aerostructures engineer

Composite Research

City: Turin | **Country:** Italy

- **Research** and **development** activities
- Non-linear **Finite Element Analysis**
- **Composite material** prototyping

EDUCATION AND TRAINING

[1 Oct 2018 – 1 Apr 2021]

Master's degree, Aerospace Engineering

Politecnico di Torino   https://www.polito.it/

City: Turin | **Country:** Italy |

[1 Sep 2015 – 1 Nov 2018]

Bachelor's degree, Aerospace Engineering

Sapienza - Università di Roma   https://www.uniroma1.it/it/pagina-strutturale/home

City: Rome | **Country:** Italy |

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

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

My Digital Skills

programming (C, C++, Fortran, python, IDL, Matlab,) | CFD(Fluent and OpenFOAM) | Code Aster | Finite Element and Finite Volume Analysis Method | MSC PATRAN/NASTRAN