

Alvise Ferrari CV

Residential address

Tel

Date of birth:
23-06-1992

Nationality
Italian

Link:

[Linked-In Alvise Ferrari](#)

My ambition is strongly related to the satisfaction of achieving the required results effectively. The organic and complete understanding of the given problem is always the starting point of my work, with the aim of proceeding towards the objectives with maximum efficiency. I learn quickly and always embrace new challenges with the right attitude and, making full use of communication skills, i try to establish harmonious team relationships. The work ends only when the set goal is achieved.

Education:

- **MSc in space and aeronautical engineering (2017-2020) @ Sapienza University, Rome**
([EU diploma supplement](#) , [PEGASUS certificate](#) , [AIDAA certificate](#))

Broad-spectrum training in space missions' technologies for terrestrial satellites and interplanetary missions. In-depth knowledge of payloads aimed to terrestrial observation with optical, thermal and microwaves technologies, with particular focus on SAR image processing, SAR interferometry, RADAR altimetry. atmospheric correction of MS images, extraction of LST from TIR bands.

Thesis : Multitemporal analysis of multispectral satellite images for the identification and monitoring of landfill sites ([MSc thesis PDF](#) [ppt presentation](#)).

- **BSc in mechanical engineering (2012-2017) @Poliba, Bari.**

Solid training in the three main branches of mechanical engineering, strong vocation for manufacturing technology and keen interest in structural engineering and thermo-hydraulic machinery.

Thesis: Anaerobic digestion of sludges and OFUW: feasibility analysis of a plant in Puglia ([BSc thesis PDF](#) , [PPT BSc thesis](#))

Programming and Softwares:

MATLAB ; SIMULINK ; Java ; Python ; ENVI ; PCI Geomatica ; ARCGIS ; QGIS ; AUTOCAD ; CATIA V5 ; SketchUp ; MSoffice ; Ardupilot Mission Planner ; LINUX OS.

Foreign languages:

- **English** (C1 written and spoken – complete professional knowledge)
- **Spanish** (C1 written and spoken)

Other skills:

- EASA drone pilot license (cat. A1/A3, cat. A2);
- multirotor aircrafts assembly and configuration (Ardupilot and DJI platforms);
- PID controllers calibration and configuration;
- GNSS problem and disturbances;
- Link budget for satellite telecommunication subsystems;
- CFD simulations;
- CMHD simulations;
- assembly and repair of electronic devices;
- european driving license B;
- proficient communication in english and Spanish.

Bari, 18/06/2021