

Education

UNIVERSITY OF BOLOGNA

M.Sc. IN AEROSPACE ENGINEERING

📅 Feb 2023 📍 Forlì, IT

- International Masters
- Graduated with 106/110

FACHHOCHSCHULE AACHEN

ERASMUS MOBILITY S.S.2022

📅 Aug 2022 📍 Aachen, DE

UNIVERSITY OF UDINE

B.Sc. IN MECHANICAL ENGINEERING

📅 Sep 2020 📍 Udine, IT

- Graduated with 102/110

Links

in [Linkedin](#) **Stefano Braida**

Coursework

GRADUATE

Applied Aerodynamics and
Experimental methods in
Aerodynamics
Aerospace Structures
Aerospace Technologies and Materials
Unmanned Systems
Atmospheric flight dynamics
Aeroelasticity
Environmental Impact of aviation
Design methods in the aerospace
industry

Dissertation: Augmented Reality for
Airport Control Tower: Analysis and
Implementation of Safety Nets

Skills

PROGRAMMING

C# • MatLab • Simulink

MISCELLANEOUS

LaTeX • Microsoft Office

SOFTWARES

nTopology • SolidWorks • SolidEdge

Languages

ITALIAN

Mother tongue - C2

ENGLISH

Advanced - Holding Cambridge C1
level

GERMAN

Intermediate - followed the B1.2
course during the ERASMUS semester

Experience

AEROSPACE ENGINEER INTERN

FRAUNHOFER IAPT

📅 Mar 2023 – May 2023 📍 Hamburg, DE

- Using nTopology for design optimization of lattice structures
- Post-processing of 3D printed part, lab testing, setting up the machine, CAD design.

PUBLIC RELATIONS OFFICE-TUTOR

UNIVERSITY OF BOLOGNA - FORLÌ CAMPUS

📅 Oct 2022 – Jan 2023 📍 Forlì, FC

- Organisation of tutoring events for high school students, call centre activity, support to the office.

CURRICULAR INTERNSHIP

UNIVERSITY OF BOLOGNA - FORLÌ CAMPUS

📅 Mar 2022 – Aug 2022 📍 Online - Forlì, FC

- Learning C# programming language and Unity3D software for the provision of the master's thesis; analysis of Augmented Reality technologies.

TEACHER TUTORING PHYSICS CLASS

UNIVERSITY OF BOLOGNA - FORLÌ CAMPUS

📅 Oct 2021 – Feb 2022 📍 Forlì, FC

- Tutorship in *Fisica Generale A* exam of Prof. Laura Fabbri, extra exercise lessons for the students of the first year of both Aerospace and Mechanical Engineering.

150H PART TIME JOB

UNIVERSITY OF BOLOGNA - FORLÌ CAMPUS

📅 Mar 2021 – Nov 2021 📍 Forlì, FC

- Access control of the University facilities during the pandemic period, helping professors to create virtual classrooms.

CURRICULAR INTERNSHIP

UNIUD SAILING LAB - UNIVERSITY OF UDINE

📅 Feb 2020 – Jun 2020 📍 Udine, UD

- Reverse engineering: reconstruction of the 3D model of the sail of a sailing boat starting from pictures; analysis and study of photogrammetry.

Competitions

ENAV THINKING CUP

ENAV ACADEMY

📅 22 Sep 2022 – 24 Sep 2022 📍 Forlì, IT

- ENAV sponsored project that chose the best ideas coming from students and experts in the field of Urban Air Mobility, my idea was chosen to participate to the 3-day challenge;
- Part of the team *DAEDALUS*, we were given the opportunity to develop our idea on Advanced Air Mobility.

Projects

MASTER'S THESIS

UNIVERSITY OF BOLOGNA

📅 Sep 2022 – Feb 2023

📍 Forlì, IT

The project focused on the analysis of the state of the art of Augmented and Virtual Reality within the control tower, with the aim to implement, in the simulation platform of the University, the *Safety Nets*: the goal was to increase the situational awareness of the controller and improve the working conditions also during low visibility conditions.

BACHELOR'S THESIS

UNIVERSITY OF UDINE

📅 Feb 2020 – Sep 2020

📍 Udine, IT

The project focused on the study of photogrammetry to reverse engineer the sail of a sailing boat from the pictures. Later the model would be used as a basis onto which it would be possible to perform a CFD analysis.