

Ivan Boschi

Curriculum Vitae – Last Update: June 2025

24/11/2000 | Bologna, Italy

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PRESENTATION

Master's graduate in Mechanical Engineering with a strong interest in robotics and its transformative impact on technology and industry. Passionate about solving complex challenges and delivering innovative, practical solutions.

WORK EXPERIENCE

Research Fellow

IMA Group S.p.A. & Alma Mater Studiorum - University of Bologna

May 2025 – Present (*ongoing*)

- **Research theme:** Trajectory Planning of Collaborative Robots for Industrial Tasks in Dynamic Scenarios.

Master's Internship and Thesis

IMA Group S.p.A. & Alma Mater Studiorum - University of Bologna

Sep. 2024 – Mar. 2025

- **Thesis title:** Robust solution of the inverse kinematics of UR-like serial robot architectures.

Academic Tutoring

Alma Mater Studiorum - University of Bologna

Feb. 2024 – May 2025

- Tutor for the "Fondamenti di Meccanica P" course, part of the "Meccatronica" degree program.

Engineering Project – Marchesini Group

Marchesini Group S.p.A. & Alma Mater Studiorum - University of Bologna

Oct. 2023 – Feb. 2024

- **Project:** Design of a "Direct Drive" solution for a tablet counting machine, using Beckhoff Automation's X-Planar technology.

Bachelor's Internship and Thesis

Alma Mater Studiorum - University of Bologna

Oct. 2021 – Sep. 2022

- **Thesis title:** Comparison of different medical imaging techniques for the reconstruction of joint kinematics.

Private Tutoring

Sep. 2019 – Present (*ongoing*)

- Tutoring in scientific subjects for middle and high school students.

EDUCATION

Master's Degree – Mechanical Engineering (Automation and Robotics)

Alma Mater Studiorum - University of Bologna

Oct. 2022 – Mar. 2025

Final Grade: **110/110** with honors

Bachelor's Degree – Mechanical Engineering

Alma Mater Studiorum - University of Bologna

Oct. 2019 – Oct. 2022

Final Grade: **110/110**

Scientific Diploma

Liceo Scientifico Enrico Fermi (BO)

Sep. 2014 – Jun. 2019

Final Grade: **92/100**

PERSONAL SKILLS

Languages

Italian: Native

Russian: B2

English: B2

Programming and Digital Skills

Teamwork

Time Management

Critical Thinking

Soft Skills

MATLAB, TwinCAT XAE, Blender

Word, PowerPoint, Excel, LaTeX

Creo PTC, AutoCAD