Fabio Milazzo — Curriculum Vitae

✱ 12/12/2002 (Milan, Italy)
fabio@milazzo.it f.p.milazzo@student.tudelft.nl • Fabio Milazzo

I am an ambitious and dynamic individual with a passion for engineering, driven by curiosity in both my work and my love for engaging in different settings. Social and proactive, I am always happy to engage in casual conversations. I work well in teams, where I am always ready to assume whichever role allows me to make the best possible contribution.
Within the Precision and Microsystems Engineering department at TU Delft, my studies have focused on precision mechanisms design and dynamics - fields that truly fascinate me.

Education

- **Delft University of Technology** — **Delft, Netherlands**
  Master's Degree in Mechanical Engineering, High-Tech track. — *2024 - Ongoing*
- **Politecnico di Milano** — **Milano, Italy**
  Bachelor's Degree in Mechanical Engineering, Graduated with 109/110 — *2021 - 2024*
- **IIS Severi-Correnti** — **Milano, Italy**
  Math and Science academy, High school diploma — *2016 - 2021*
- **Rangitoto College** — **Auckland, NZ**
  Exchange semester, Abroad study experience — *July to December 2019*

Work Experience

- **Fratelli Delft** — **Delft**
  Waiter — *September 2024 - Ongoing*

  Waiter for the Italian Fine dining restaurant Fratelli, in Delft. Responsible for handling English-speaking customers and routine service tasks.
- **C.A.S.T. Center for Social and Territorial Assistance** — **Milano**
  Volunteer — *March to June 2022*

  Responsible for the preparation and distribution of meals in the structure.
- **BiciCouriers** — **Milano**
  External collaborator — *January to April 2021*

  Pick-up and delivery of packages, correspondence and food products across Milan.

Notable Projects

- **Compliant Mechanisms project** *'Jumping robot'*

  This 5 months project consists in the conceptualization, design, fabrication and eventually testing of a novel compliant jumping robot. The project involves mechanism synthesis, compliant design choices, and theoretical modeling to optimize the robot's motions and abilities.
- **Bachelor's Graduation project:** *'Design of a mechanical press'*

  This multidisciplinary project involved the conceptual design of a mechanical press driven by a double-point crank mechanism. The project included the analysis and preliminary sizing of key components, such as the kinematics, transmission, frame, cataloged components, and vibrational analysis. The results were summarized in a CAD model, with a focus on providing a clear and efficient design overview rather than strict technical drawings.

Personal skills

Technical skills

- **Programming Languages:** Master's level: Matlab, Python, TeX
  Bachelor's level: C++.
- **Industry Software Skills:** Matlab (Advanced), Simulink
  CAD softwares: -Autodesk suite: Inventor, AutoCAD (Laser), Fusion360 (3D print) -Dassault suite: SolidWorks, Catia -Siemens suite: SolidEdge
  MS Office

Languages

- **Italian**: Native language
- **English:** Proficient - C2 (IELTS score 8.5/9)

Interests and extra-curricular activities

- I believe that stimulating experiences are key to broadening one's perspective. Outside of my studies, I seek out such experiences through travelling with friends, family or colleagues. Currently I am serving as Treasurer on the Taylor Trip Committee, responsible for organizing a departmental study trip to South Korea in the summer of 2025.
- I practice Ice Hockey, not only for my love of the sport, but also for the learning opportunities that being part of a different, diverse sport team offers. I find that sports are a great way to expand one's circle and meet new, interesting people.