

OLIVER TORRESAN

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PERSONAL STATEMENT

Motivated Industrial Engineering student specializing in Materials Science with a strong foundation in problem-solving and sustainable technologies. Driven by a passion for scientific research and technical innovation, I combine rigorous academic training with a multidisciplinary background in programming, biotechnology, and leadership. Proven resilience and discipline forged through high-level competitive sports, aiming to contribute to cutting-edge engineering projects.

EDUCATION

Bachelor of Science in Industrial Engineering (Materials Curriculum) 2023 – Present

University of Trieste (Dept. of Engineering and Architecture), Italy

- Key Coursework: Materials Science & Technology, Thermodynamics, Organic Chemistry, Electrotechnics, Digital Transformation Management, Analysis I & II, Physics I & II, Rational Mechanics.
- Specialization: Focus on energy-relevant materials, including photovoltaics and electrochemical energy storage systems.

High School Diploma (Applied Sciences) 2018 – 2023

Liceo Scientifico Statale Leonardo da Vinci, Treviso, Italy

- Final Grade: 85/100.
- Developed core competencies in Physics, Chemistry, Biology, and Computer Science.

TECHNICAL PROJECTS & LAB EXPERIENCE

Club Bit – Programming & Software Development High School Years

- Collaborated in a peer-learning environment to develop application software for corporate environments.
- Mastered programming logic and project management within a student-led technological hub.

PLS Biotechnology Project 3-Year Participation

- Conducted advanced laboratory techniques: DNA extraction, PCR (Polymerase Chain Reaction), and DNA fingerprinting in collaboration with the University of Padua.
- Served as a laboratory lead during the final year, teaching and supervising classmates in experimental protocols.

Science Competitions 2019 – 2023

- Regular participant in the "Giochi della Chimica" (Chemistry Games), consistently qualifying for regional phases.
- Competed in the Olympics of Natural Sciences and EUSO (European Union Science Olympiad).

SKILLS

Languages	Italian (Native), English (C1 Advanced - Cambridge Certified)
Programming	MATLAB, Python, Java, C++, JavaScript, HTML, CSS, SQL
Software & Design	AutoCAD (2D), Microsoft Office Suite, Git, Lumerical (Introductory)
Interpersonal	Analytical Problem-Solving, Team Leadership, Scientific Communication, Resilience

CERTIFICATIONS & AWARDS

- **Cambridge English: Advanced (CAE)** – Level C1 (2022)
- **2nd Dan Black Belt** – Karate (Traditional Kumite)
- **Laboratory Safety Certification** – University of Trieste

EXTRA-CURRICULAR ACTIVITIES

Competitive Karate Athlete

2012 – Present

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- National-level competitor: 2nd and 3rd place at FIKTA National Championships; qualified for FIJLKAM National Finals (-75kg).
- Selected for the FIKTA National Kumite Team training squad.
- Experience as an Assistant Instructor for middle school students (2-year tenure).
- **Value:** Developed extreme discipline, rapid decision-making, and emotional self-control.