



# DANILO CANDELA

Research Scholar in Chemical Engineer

## CONTACTS



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## ABOUT ME

As a recent Chemical Engineering graduate, I have a strong passion for Science and Nature, with a particular interest in the Food Industry and Biotechnologies. I am especially concerned about Sustainability, and the potential for innovative solutions to address Global Challenges. I am motivated by the idea of using Scientific Research to improve the lives of those around me. Proactive learner, constantly seeking out new challenges and opportunities to expand my knowledge and skills. I am excited to bring my passion to a dynamic, team-oriented environment, where I can collaborate with others to tackle complex scientific problems and make a tangible impact on the World.

## SOFT SKILLS

Communication skills gained during various high school orientation projects (2013/2016), participation in the school newspaper (2013/2014) and volunteer events at the Fardelliana Library (2014). These were also deepened through the participation in the "Communication Skills for Engineering Scholars" course. All these experiences have allowed me to improve my expository faculties by adapting them each time to different audiences.

Teamwork abilities developed during my University studies and especially during my Master's Thesis in collaboration with the EU H2020 SunCoChem Project, where I had the great opportunity to be immersed in a multicultural, dynamic and stimulating environment.

## LANGUAGES

- Italian - Mother Tongue;
- English - Upper Intermediate (FCE, B2);
- French - Beginner.

## ACADEMIC EDUCATION

- **Politecnico di Torino (2020/2022)**

Master's Degree in Chemical and Sustainable Process Engineering; Biotechnological-Food Specialization.

Thesis: "Study of Gas Diffusion Electrodes Stability during the Electrochemical CO<sub>2</sub> Reduction in Aqueous and Aprotic Electrolytes" with a score of 104/110

- **Politecnico di Torino (2016/2020)**

Bachelor's degree in Chemical and Food Engineering.

## WORK EXPERIENCES

- **Politecnico di Torino | 2023**

Research Scholar at the "Crystal Engineering and Crystallization Group" of the Politecnico di Torino with the aim of contributing to the project CryForm funded by the European Research Council.

- **Baiata S.r.l | 2015**

One-week internship at the analysis laboratory, where I was introduced to the procedures and various methods used for the daily analysis of biological, bacterial and water samples.

## IT COMPETENCES

During my university studies, I had the possibility to work with software such as MATLAB, Aspen Plus, Ansys Fluent, Solidworks and AutoCAD.

Intermediate knowledge of Microsoft Office.

## OTHER USEFUL INFORMATIONS

- Knowledge of HACCP (2023)
- Participations in "Higher Education for Sustainable Development Goals (SDGs)", and "Share Food, Cut Waste" courses at PoliMi Open Knowledge Platform (2023);
- Certifications "Communication Skills for Engineering Scholars", "Working in Multidisciplinary Teams", and "Case Study Methodology" taken at PoliMi Open Knowledge Platform (2023);
- Participation at Woolmark Performance Challenge featuring Adidas with project: "Innovative Volleyball Knee-Pads" (2019);
- "A" Certification for RSPP training (2016).