



STEFANO COLLINS

3rd year PhD Student

Organised, team player and friendly

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📍 Prévessin-Moëns, France

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PROFILE

A motivated, hardworking graduate; I achieved a First-Class master's degree in chemical engineering from the University of Nottingham. I am fluent in written and spoken English, French and Italian, and I have a good command of German and Spanish. I am well organised, an able communicator and capable of working in a multicultural environment, establishing positive working relationships with colleagues and managers.

SKILLS

- Analytical Skills
- Multilingual
- Communication
- Computer Skills: AutoCAD, Aspen HYSYS, MATLAB and Python, Microsoft packages
- Full driving license and recreational motorized boat license

HOBBIES

- Sports: Football, skiing, swimming, snooker, sailing, racket sports
- Playing violin and piano
- Travelling and chess

EDUCATION

PhD Student in Chemical Engineering – University of Nottingham in collaboration with IFP Energies Nouvelles
2021 – Present

- **Thesis Title:** New insights in the structure-transport relationship in the gas phase in alumina solids through an innovative multi-technique approach.
- **Key words:** Catalytic Supports, Gas-Phase Diffusion, Experimental, Alumina, Synthesis-Porous Structure-Transport Relationship
- **Analytical Techniques:** PFG-NMR, hyperpolarized ¹²⁹Xe MRI, Hybrid Mercury and Nitrogen Porosimetry, SEM, Cryoporometry and Cryodiffusometry

MEng in Chemical Engineering – University of Nottingham
2017 – 2021

- Obtained a First Class Degree achieving 76% in my final year.
- Modules included: Power Generation and Carbon Capture, Renewable Energy from Wastes, Interfacial Chemistry, Multiphase Systems, Reactor Design, and Process Synthesis and Design.

International School of Geneva – La Châtaigneraie
2010 - 2017

- International Baccalaureate (in 2017): obtained 36/45 points. French Baccalaureate Equivalent: 15/20

WORK EXPERIENCE

Internship – CERN

June 2015, September 2017, September-November 2021

- Developed a user-friendly software using Python so that researchers could easily overlap electric and magnetic fields (2021).
- Coding, Teamwork, Self-learning

Summer Internship – Addex Therapeutics

July/August 2019 - 2020

- Inventoried and ordered chemical compounds and proprietary biological tools.
- Teamwork, Laboratory Work, Leadership

Sales Assistant – Collège du Léman

August 2018, 2019 and 2020

- Assisted in the sales of books and school uniforms.
- Customer service and care, Teamwork, Multilingual environment

REFERENCES

Prof. Sean RIGBY

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