



MARTIN COTONI

PROFILE

I am 25-year-old French Graduate from a Chemistry Master and Chemistry engineering school.

Thanks to my studies, I am able to use several analytical technics such IR, NMR or STEM as well at ease in solids and organometallic synthesis.

I am currently proceed a PhD in the fields of heterogenous catalysis working on the development of innovative catalysts.

SKILLS

Language :

French :

Native speaker

English :

Good working knowledge
(B2:CEF level)

German :

Beginner Level

ITC :

Microsoft Office suite

Adobe Software

(Premiere Pro/ After Effect)

EXTRA-CURRICULAR ACTIVITIES

Associative :

Vice President Student Association
2017- 2018

President Student association 2018-2019

Sport :

Scuba diving (3 years of practice)

Sailing (5 years of practice)

Skiing (10 years of practice)

Hobbies :

Music (listening and mix)

Cooking

Chemistry PhD student

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FORMATION

PhD student at IFPEN in heterogenous catalysis

Since 2022

PhD defense expected in 2025

Subject : Preparation of Platinum single atoms on γ -Al₂O₃ nanocrystals in the fields of heterogenous catalysis

Skills : Solids and organometallic synthesis, Solids characterization

Université Lyon 1 -Master in Inorganic Chemistry

2021-2022

Major : Solids synthesis, organometallic chemistry,
Bio-inorganic chemistry, Optics of materials

**CPE Lyon-Graduate school for Chemistry/Chemical
Engineering and Digital**

2018-2022

Major : Organic Chemistry, Chemistry process and Analytical science

Minors : English, German and Economic and Social science

Options : Advanced organic chemistry and stereoselectivity

Project in organic chemistry : “Studies of alcohol protecting groups”

Classes Préparatoires CPE Lyon

2016-2018

2 years full-time higher education in mathematics (analysis and linear algebra) , physic (electronic and solid mechanics), organic chemistry and thermochemistry with languages (French, English and German), in preparation for entry to CPE Lyon

Work Experience

August 2020-2021

GAP Year-Bayer, Frankfort

- Experimentation in early discovery at the Bayer Crop science Division in the filed of organic chemistry
- Improvement in all usual technics in organic chemistry synthesis
- Report production

June-July 2018

Internship-Glincs, Villeurbanne

- Development of a new and innovative method for polymer quantification in petroleum production water.
- Method optimization and validation (formulation, complexation chemistry, luminescence detection)
- Use of new measuring device
- Experimentation planning
- Report production

Februar-July 2022

Internship Master ENS, Lyon

- Experimentation in microfabrication using polymer based on one and two photo absorption
- Use of new observation devices
- Experimentation planning
- Report production

July 2019

Internship-La Poste, Lyon

- Opening of saving account from a computer.