



**Nationality :** French

**Born in** 19/07/1995

**Address :** 8 rue Callisto,  
25300 Doubs

**Driving Licence :** Category B

**Phone :** +33 6 48 27 39 56

## COMPETENCY

### Molecular Modeling

#### software:

Linux, Python  
Gaussian16 (DFT),  
ChemCraft,  
ChemDraw, COPASI  
MestreNova, RDkit, Pack  
Office

### Data Analyst / ML

#### software :

PyTorch, Scikit-Learn,  
Numpy, Pandas, Matplotlib,  
Seaborn, Power BI, Git,  
GitHub, SQL,  
AWS, Spark

## LANGUAGES

English : Fluent  
Spanish : Intermediate  
French : Native

# LORIS GELIN

WITH A PH.D IN COMPUTATIONAL CHEMISTRY AND  
STRONG KNOWLEDGE OF THE FIELD OF DATA  
ANALYST AND MACHINE LEARNING ALGORITHMS.

## WORK EXPERIENCES

### STUDENT EMPLOYEE (2013-2020)

Temporary assignments, Construction industry, Food delivery

### DOCTORAT- COMPUTATIONAL CHEMISTRY (2020-2023)

Burgundy Institute of molecular chemistry (ICMUB - UMR6302)  
Pr P. FLEURAT-LESSARD et Dr J. ROGER.

#### Skill acquired :

- *Proficient in High Performance Computing (Python, Linux). Experimental and theoretical studies of functionalization small molecules in organometallic catalysis*
- *Total autonomy in my research work (DFT calculations, organic and inorganic synthesis, characterisation).*
- *Project Management, Communication, Adaptability.*

## FORMATION - DATA ANALYST / MACHINE LEARNING ENGINEER

#### Strong knowledge :

- **Python/SQL for Data Analysis :** *Manipulating and analyzing large databases across various datasets, including market trends, or biological datasets.*
- **Machine & Deep Learning :** *Implementing machine & deep learning algorithms, such as DNNs or GNNs*

#### Basic knowledge :

- **AWS, PySpark :** *Distributed graph computations with Spark. Storing data on S3. Performing maintenance on a cluster.*

## EDUCATION - CHEMISTRY

University of Burgundy

**Master of molecular chemistry, T2MC :**  
**Transition Metals in Molecular Chemistry**

M2 (2018-2019) : 13,9/20 - (Grading : 2nd/15)

M1 (2017-2018) : 13,6/20 - (Grading : 1st/11)

**3rd bachelor degree of Science, Technology  
and Health degree in Chemistry**

L3 (2016-2018) : 11,7/20

**1st and 2nd bachelor degree of Life, Earth  
and Environmental Sciences Parcours  
Chemistry-Biochemistry**

L2 (2015-2016) : 10,4/20

L1 (2014-2015) : 10,3/20

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**Kaggle :** GELIN Loris

**Linkedin :** [www.linkedin.com/in/gelin-loris-0824172a5](https://www.linkedin.com/in/gelin-loris-0824172a5)

**GitHub :** <https://github.com/LGBEUT/Data-Scientist-Portfolio>

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## PUBLICATIONS

- Palladium catalyzed C5-arylation of 1,3,4-oxadiazole derivated. L. Gelin, H. Sabadin, H. Cattey, J.-C. Hierso, P. Fleurat-Lessard, J. Roger.
- Oxidative Rhodium(III)-Catalyzed N-Directed C-H Arylation of s-Aryltetrazine with Aryl boronic Acids. O. Abidi, G. Divoux, L. Gelin, H. Cattey, P. Fleurat-Lessard, J.-C. Hierso, and J. Roger. (under preparation)
- Selective Deshydrogenative Cross-coupling Rhodium- or Iridium-Catalyzed (Hetero)Arylation of s-Aryltetrazines. O. Abidi, L. Gelin, G. Divoux, H. Cattey, J.-C. Hierso, P. Fleurat-Lessard and J. Roger. (under preparation)
- Experimental and theoritical study of Palladacycle of s-tetrazine and oxadiazole. L. Gelin, O. Aroule, I. Tolbatov, C. Testa, F. Akhssas, P. Ghesquierre, M. Ponce Vargas, H. Cattey, J.-C. Hierso, J. Roger, P. Fleurat-Lessard, under preparation (under preparation)

## COMMUNICATION

- C.O. Meeting of theoretical chemists from the Grand-Est region (RCTGE) - Dijon, 2-3 Juin, 2022
- C.A. GreenCat 2020 -Rennes, March 30-April 2 , 2020

## TEACHING AND SUPERVISION

- Supervision of two students on work experience. (15 days), Licence 3rd bachelor degree of chemistry, University of Burgundy.
- 20 hours, student's professional project, 2022, 1st bachelor degree level, University of Burgundy.

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