

Marialine CHARDELIN  
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24 years old

**Curious and enthusiastic student, seeking a 4 to 6 months internship to conclude my MSc, in the aim of pursuing my cursus in a PhD. I'm particularly fascinated by microscale ductile processes, lithosphere behaviour, distribution and localisation of deformation and numerical modeling.**

## PROFESSIONAL BACKGROUND

### INTERNSHIP / FIELD TRIP:

2020: **DUCTILE DEFORMATION (2 months): Lab. Géosciences Montpellier, France: Structural and chemical characterisation of the shear zones of Zabargad, Red Sea, development of a P-T model for the mantle upwelling (EDS, EBSD, optical data)**

AGLY MASSIF, SE Pyrénées (8 days): structural inheritance, metamorphic field gradients throughout schists, migmatites and granites of the area

2019-2017: CEVENNES, France (3 days): structural and petrological study of granites, migmatites, schists and gold-bearing associated mineralisations

BERGA, SE Pyrénées (7 days): deformation and basin dynamics linked to thrust fronts and diaps

MONTAGNE NOIRE, France (4 days): structure of axial zone, late-orogenic extension basins

2017-2015: DIGNE LES BAINS, W French Alps (8 days): sedimentary and structural study of the Digne thrust sheet, Western Alps

BEARN, W Pyrénées (3 days): sedimentary and structural study of the Chaînons béarnais folds, Aragon synclinal fold and W. Pyrenean axial zone

**STRUCTURAL GEOLOGY, (about 3 weeks), Lab. EPOC, Talence, France: bibliographic and cartographic synthesis of Karakorum strike-slip fault, Himalaya**

PAYS BASQUE, W. Pyrénées (3 days) : microtectonical study of the folds associated to the Ursuya Massif upwelling

### Professional experiences:

2020-2017: Responsible of student mentoring at the Students Association of Geosciences, University of Montpellier

2019-2017: Participation to a R&D project of electronical compass, Castelnau le Lez, (34, France)

2017-2013: Private lessons (secondary school grade), French, Latin and Ancient Greek, Bordeaux (33, France)

## SKILLS

### SOFTWARES:

Petrel/Techlog	●	●	●	○	○
Leapfrog	●	●	●	○	○
Res2DInv	●	●	●	●	○
ArcGis/QGis	●	●	●	●	○

### COMPUTER LANGUAGES:

Python/LaTeX	●	●	●	○	○
R	●	●	●	○	○
Matlab/SQL	●	●	○	○	○

### LANGUAGES:

English	●	●	●	●	○
(intermediary)					
Spanish	●	●	●	○	○
(intermediary)					
Persian (farsi)	●	●	○	○	○
(current conversation, written, read)					

## ACADEMIC CURRICULUM

actual-2019: Earth Dynamics and

Natural Hazards Master's Degree, University of Montpellier: physical geodynamics, lithosphere tectonics and dynamics, rock mechanics, numerical modeling

2017–2019: Exploration and Reservoirs Geology Master's Degree, University of Montpellier: brittle and ductile deformation, fault-fluids interactions, ore formation, structural control upon mineralisations

2014–2017: Bachelor's Degree Geosciences and Environment, University of Bordeaux :

## FURTHER INFORMATIONS

**Hobbies** : drawing (artistic and scientific), guitar (classical, rock, blues), literature (persian, classical)  
**International mobility**