

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 granits of the area*

2019-2017: **CEVENNES**, France (3 days): *structural and petrological study of granits, 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. Pynérées (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, writen, 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