

PRESENTATION



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Nationality : French

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COMPETENCES

IT competences :

- **ArcGis** : proficient use
- **Gocad (project in 2017 during 1 week)** : geological and geometric modeling in 3D, integration of field measures, creation of surfaces.
- **Python** : well mastered

Language :

- **English** : C1 level (fluent)
- **Spanish** : B2 level (advanced)
- **French** : native language
- **Portuguese** : basic skills

Communication :

- **2018 (during 6 months)** : **Organisation of the Geologia's exhibition** : cold calling of participant firms by mailing and phoning, organisation of events to promote the exhibition.
- **2018** : **Responsible of the Theatre partnership of ENSG** : upkeep and updating of the partnership (reductions, artistic events), reservation of tickets, communication on the artistic events' planning.

Security:

- **First Aid Diploma**

INTÉRÊTS

- **Guitar** : playing for 10 years at the conservatory with experiences of live performances.
- **Jazz modern dance** : 10 years
- **Linguistic stay in Ireland during 2 weeks** : hitchhiking, communication in English

Alexandra Ferreira

Engineering student in 2nd year of geology
applying for a 3 months internship in mining geology
from the 17th of June to the 6th of September 2019

CURRICULUM

- **2017-2020** : 2 years at ENSG, a leading French school in geology delivering a final diploma in 2020 equivalent to a Master Degree.

Knowledge :

- To master the mathematical and geophysical tools necessary in engineering.
 - To describe and to identify a rock on the basis of a mineralogical study of a thin section or a macroscopic sample.
 - Sedimentology, diagenesis, magmatism, metamorphism, study of mineral deposits
- **2015-2017** : 2 years of under graduate programs studying intensively scientific subjects to prepare the competitive entrance exams to France engineering schools.
 - **2015** : The high school diploma with major in science, obtained

EXPERIENCES

- **2012-2015** : **Study in collaboration with a doctoral student, Julie Ghirardi in the Institute of Earth Sciences of Orleans (ISTO) and in the Committee of Geological and Mining Researches (BRGM) about the thesis** The Eocen-Oligocen transition's impact on continental ecosystem. Use of X-ray diffraction, Rock-Eval pyrolysis, mass spectrometry, scanning electron microscopy. Writing skills, team work, analysis of experimental results.
- **2018 (during 1 week)** : **Internship on the field in Cap de Creus (Spain) about magmatism and metamorphism** : To make a geological map, to make a log, to analyse a landscape, to measure a dip, to interpret geological data (dip, fault mirror, fold's axis, ...)
- **2018 (equivalent to 1 month)** : **Project in TER (Rock Study's Technics)**. Mineral determination of a hydrothermalit by preparing samples, studying thin section to transmitted light and to reflected light, and by using electron microprobe, X-ray florescence and X-ray diffraction.
- **2017-2019 (equivalent to 3 months)** : **Leader of a Management Project : Creation of videos of vulgarisation about formation, exploitation and valorisation of gold**. Team work, communication, use of management tools, organization of meetings, creation of popularisation documentaries in English, leading skills.