

## Education

- 2014-2016 **University Paris 1 Panthéon-Sorbonne, Ph.D. program in Economics.**  
Independent learning of Economics, Applied Mathematics and Science of Natural Resources.
- 2013-2014 **Mines ParisTech/Ecole Normale Supérieure de Lyon (ENS Lyon), 4<sup>th</sup> year of internships.**
- 2012-2013 **Mines ParisTech, Master's level in one of France's top engineering schools.**  
Basic knowledge in Law, Economics and Management. Qualifications in Environment.
- 2011-2012 **Ecole Normale Supérieure de Lyon (ENS Lyon), First year of Master's degree in Geophysics and Geochemistry, in a prestigious school that trains researchers.**  
In-depth knowledge in Geochemistry, Thermodynamics, Mechanics and Numerical Modeling.
- 2010-2011 **Ecole Normale Supérieure de Lyon (ENS Lyon), Last year of Bachelor's degree.**  
Key subjects studied: Environmental Geochemistry, Thermodynamics and Fluid Mechanics.
- 2008-2010 **Lycée Janson de Sailly (Paris), Preparatory school for competitive examinations.**  
Two years of intensive training in Biology, Physics, Chemistry and Geology.

## Professional Experience

- 2014-2016 **Ph.D. student and teaching assistant, Centre d'Economie de la Sorbonne, Paris 1 Panthéon-Sorbonne, Paris, France.**  
3 years  
Multidisciplinary research on the effect of the depletion of natural resources (energy, minerals, lands, water) on the economy, with the view to evaluating the feasibility of the energy transition.
  - Development of a macroeconomic model based on the dynamics of the private debt.
  - Numerical simulations and mathematical study of dynamic systems.
  - Teaching Macroeconomics, Microeconomics and Computer Sciences to undergraduates.
- 2013-2014 **Research assistant (Development Studies), CODEV program (Companies and Development), IRENE institute, ESSEC Business School, Cergy, France.**  
6 months  
Evaluation of a corporate social responsibility project in the waste management sector in Indonesia.
  - Supervised a quantitative study in the field (coordination of the local team) and processed the database. Contributed to the writing of the report and to the production of a business case study.
  - Dealt with the complexity of a project linking the formal environment of a multinational company to the informal sector, in an Asian developing country.
- 2013 **Research assistant (Environmental Engineering), SAUR, Third French company of water management and treatment, Guyancourt, France.**  
5 months  
Addressing vinyl chloride pollution in drinking water.
  - Produced a complete literature review on existing vinyl chloride clean-up solutions, compared them in terms of feasibility and cost.
  - Assessed the feasibility of using a new prototype of air-stripper, and applied for a patent.
- 2012 **Research assistant (Physics of Materials), PGP (Physics of Geological Processes), University of Oslo, Oslo, Norway.**  
2 months  
Experimental study on micro-fracture propagation, application to stability of reservoirs.
  - Wrote and published a scientific article: *Effect of fluid salinity on subcritical crack propagation in calcite*, Rostom F., Royne A., Dysthe D.K., Renard F., Tectonophysics 583 (2012) 68-75.
- 2011 **Research assistant (Geo-Microbiology), IMPMC, Pierre et Marie Curie University, Paris, France.**  
2 months  
Experimental study on bio-mineralization. Possible application to industrial phosphate production.

## Foreign Languages

<b>Arabic</b>	Native speaker	<b>French</b>	Fluent
<b>English</b>	Fluent (TOEFL iBT: 108/120)	<b>Spanish</b>	Beginner

## Computer Skills

**Programming languages** Matlab, Julia, C, Vensim      **Word processing** Latex, Microsoft Office