

Grégoire Mialon

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Research

- 2018 - *Now* **PhD student** - INRIA / École Normale Supérieure (Paris, France)
Member of Sierra team and Thoth team.
Theoretical study and optimization of machine learning algorithms.
Advisors : **Pr. Julien Mairal**, **Pr. Alexandre d'Aspremont**.
- 2016 (5 months) **Research Intern** - Massachussets Institute of Technology (Boston, USA)
Department of Nuclear Science and Engineering, Offshore Floating Nuclear Plant group.
Simulated numerically ships collision using finite elements and
high performance computing. Predicted failure scenarios.
Tutors : **Pr. Neil Todreas**, **Pr. Koroush Shirvan**.

Education

- 2017 - 2018 **Msc. Mathematics, Vision and Learning (MVA)** - ENS Paris-Saclay (France)
Majored in Statistics, Probabilities.
- 2013 - 2017 **Graduate Student** - École polytechnique (Palaiseau, France)
Majored in Theoretical Physics and Economics.
Dual degree at Mines ParisTech (Business studies).
- 2010 - 2013 **Preparatory Classes: Bachelor level** - Lycée du Parc (Lyon, France)
PCSI-PC* : courses in Mathematics, Physics to prepare top-level science universities.

Job experience

- 2018 - 2020 **Teaching (M2 MASH)** - Université Paris-Dauphine (France)
Python for Data Science and Machine Learning.
- 2017 - 2018 **Data Scientist, NLP** - eXplain (Paris, France)
eXplain (ex-Liegey Muller Pons) is a company focusing on electoral campaign technology.
Led a research project on information extraction via Natural Language
Processing for press analysis, along with business development.
Managers : **Pr. Vincent Pons**, **Arthur Muller (founders)**.
- 2016 - 2017 **Teaching Assistant in Preparatory Classes** - Lycée Saint-Louis (Paris, France)
Tutored and tested weekly three students in physics for nationwide examination.
- 2015 (3 months) **Civil Servant Intern** - Ministry for Foreign Affairs (Paris, France)
Drafted notes on terrorism for diplomats and political leaders on a mission.
Tutor : **Emmanuel Cocher**.
- 2013 - 2014 **Officer cadet** - 92ème Régiment d'Infanterie (Clermont-Ferrand, France)
Assistant to the platoon leader. Trained young soldiers. Received commando training.

Papers	<ul style="list-style-type: none"> - G. Mialon, A. d'Aspremont and J. Mairal. Screening Data Points for Empirical Risk Minimization via Ellipsoidal Regions and Safe Loss Functions (<i>AISTATS 2020</i>). - A. Bietti, G. Mialon, D. Chen and J. Mairal. A Kernel Perspective for Regularizing Deep Neural Networks (<i>ICML 2019</i>).
Awards and Fellowships	<p>EDF Énergies nouvelles Fellowship, 2016 - for pursuing research at the MIT.</p> <p>Outstanding Investment, 2016 - École polytechnique, for organizing rowing tournaments and wine-tasting events, and involvement in X-Microfinance.</p>
Languages and Skills	<p>French (mother tongue), English (TOEIC : 965/990), German (advanced).</p> <p>Rowing (involved in student contests).</p>