

Mathieu Barré

STUDENT IN OPTIMIZATION AND MACHINE LEARNING

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Education

École normale supérieure Paris-Saclay

Paris, France

MASTER MATHÉMATIQUES VISION APPRENTISSAGE

Sep. 2017 - Sep. 2018

- followed courses of Optimization, High-Dimensional Probability, Probabilistic Graphical Models, Topological Data Analysis, Digital Imaging, Natural Language Processing, Kernel theory for machine learning, Sequential learning.

École polytechnique

Paris, France

MASTER OF SCIENCE IN APPLIED MATHEMATICS AND DATA SCIENCE

Sep. 2014 - Aug. 2017

- Majoring in Applied Mathematics and Computer Science

Lycée International Valbonne

Sophia Antipolis, France

CLASSES PRÉPARATOIRES

Sep. 2011 - Jun. 2014

- Three years intensive training course for French Grandes écoles' competitive exams, specialising in mathematics and physics

Experience

INRIA,

Paris, France

PHD TEAM SIERRA

Sep 2018 - PRESENT

- Convex optimization. Studying new proofs schemes for adaptive optimization algorithms.

INRIA,

Paris, France

RESEARCH INTERNSHIP IN TEAM SIERRA

Apr. 2018 - Sept. 2018

- Exploit new compressed sensing quantities to derive efficient regularization of dictionary learning.

SRI International,

Menlo Park CA, USA

RESEARCH INTERNSHIP IN COMPUTER SCIENCE LABORATORY

Apr. 2017 - Aug. 2017

- Research in applying machine learning techniques for the detection of advanced persistence threat in computer system.
- Integrate detection tool to SPADE, a software developed in SRI International.

ULVAC Inc,

Chigasaki, Japan

INTERNSHIP - RESEARCH ASSISTANT IN R&D DIVISION

Jun. 2016 - Aug. 2016

- In charge of numerical computation for the ULVAC's SMD-Series project.
- Investigated scientific papers about scattering and sputtering related to ULVAC's SMD-Series project.

Skills

LANGUAGES

French Native

English Proficient

Japanese & German Basic knowledges

COMPUTER SCIENCE

Java, C++, OCaml

Python, R, Matlab

Unix, LaTeX