

# Benjamin DONNOT

65 avenue de Paris

92 320 Châtillon FRANCE

+33 6 12 08 13 43

✉ benjamin.donnot @ gmail.com

in [www.linkedin.com/in/benjamindonnot/](http://www.linkedin.com/in/benjamindonnot/)

github.com/BDonnot

## Education

- 2015-Now **PhD in Machine Learning**, *CIFRE agreement (Industrial agreement of learning/training by research) between LRI lab (INRIA) and RTE France (French Transmission System Operator)*, Paris Area, France.  
PhD entitled "Machine learning for a efficient and robust conduct of the Power Grid". It aims at applying state of the art machine learning algorithm (including deep learning and reinforcement learning) to better operate the grid in a context of fast growing intermittent renewable energy.
- 2011-2015 **Student in Data Science, speciality Machine Learning**, *ENSAE (Paris Graduate School of Economics, Statistics and Finance)*, Top French engineer school in statistics, Malakoff, Paris Area, France.  
Main classes : data mining, machine learning, bayesian statistic, computer (C++, Python, R). Full-year internship in 2013-2014
- 2008-2011 **CPGE**, *Henri Poincaré Highschool*, Nancy, France, Two or Three-years intensive program in mathematics and physics preparing for the national competitive exams for entry to engineering schools..

## Work Experience

- 2016-2017 **Assistant professor**, Paris, ENSAE (École Nationale de la Statistique et de l'Administration Économique) & ENPC (École Nationale des Ponts et Chaussées).  
Assistant professor for the courses of "Introduction to R software", "Python for a Data Scientist" and following student in the case of a last year informatic project (ENSAE), and "Machine learning and application" (ENPC)
- Janvier 2015 **Data Scientist Intern**, RTE France, Versailles, France.  
(6 months) Development and study (in c++ and R) of machine learning algorithm (mainly deep learning and reinforcement learning) in order to better operate the french power grid.
- Février 2015 **Consultant for l'ODJ**, *Observatoire Des Jeux (ODJ)*, Paris, France.  
(7 months) Mission obtained through ENSAE Junior Études. The objective was to build and study *a priori*, different profil of players in oder to predict which one are possibly addicted.
- Février 2014 **Stagiaire Data Scientist**, *Amadeus IT group*, Sophia-Antipolis, France.  
(6 months) Application of machine learning algorithm (classification, clustering, prediction) for predicting the flow of passengers in any airport. Usage of *R* and *Python*
- Mars 2013 **Consultant**, Jouve, Paris.  
(3 months) Mission obtained through ENSAE Junior Études : detection et rationalization of bids searching, *web-scraping*, supervised clustering of more than 2,5 millions of bids. This study was made using *Python*.

## Computer skills

- Languages **Objects Oriented (C++ -advanced knowledge) & Fonctionnal (OCaml - knowledge).**
- Statistical **Python (Tensorflow, Scikit-Learn, Pandas, Boost-Python) -advanced knowledge & R (Rcpp, data.table)-advanced knowledge.**
- Others **L<sup>A</sup>T<sub>E</sub>X; Pack Office(VBA, Excel) & SQL -knowledge.**

## Languages

- Anglais **Working knowledge, TOEIC 940/990 points (June 2013).**
- Allemand **Basic skills.**
- Italien **Basic skills.**

## Extra curricular activities

- 2015 **Co-organizer of "Data Science Game 2015".**  
This is an international students challenge. The students competitors were asked to solve a real data-scientist problem, given by Google. The main sponsors were *Google Inc.* and *Capgemini Consulting*.  
**Natation**,  $\approx 3h$  / week, running and hiking (during vacation).