Paris, France
+33 6 79 57 79 04
clement.bonnet16@gmail.com
clementbonnet.com
clement-bonnet16
clement-bonnet
clement.bonnet16

# Clément Bonnet

*Graduate Student in Applied Mathematics and Machine Learning*

## Education

2020–2021 **MSc in Machine Learning**, *École Normale Supérieure*, Paris, France.
Master MVA: Applied Mathematics, Computer Vision and Machine Learning.
- Reinforcement Learning,
- Speech and Natural Language Processing,
- Mathematical Modeling in Neuroscience.

2017–2021 **MSc in Applied Mathematics**, *CentraleSupélec*, Paris, France.
- Advanced Probabilities and Statistics,
- Optimisation,
- Deep Learning and Computer Vision.

2019 (6 months) **Visiting student**, *National University of Singapore*, Singapore.
- Intelligent Systems and Robotics,
- Technology Entrepreneurship,
- Database Design and Tuning.

2015–2017 **Undergraduate courses in Mathematics, Physics and Computer Science**, *Lycée Lazaristes*, Lyon, France.
Two-year programme in Mathematics and Physics for competitive entrance to top French engineering schools called Grande Écoles.

## Work Experience

2020 (6 months) **Machine Learning Engineer**, *Lake Parime*, London, United Kingdom.
- Wrote a research paper on mathematical kernels to optimise High-Performance Computing (Berkeley's seven dwarfs).
- Led a Data Science project to model wind turbine production variability (Markov chains).
- Built a Machine Learning strategy model to scale the current business.

2019 (6 months) **Data Science Engineer**, *Coreso*, Brussels, Belgium.

- Performed several data analyses about commercial and physical exchanges on the European power grid.
- Created Python scripts to compute long-term capacity for European bidding zones to send to the global market.
- Built a data pipeline and a Python visualisation framework that enabled operators to monitor data files within the company.

2018 (1 month) **Data Analyst**, *Nexans*, Rognan, Norway.

Created data analysis scripts for optical fibre optimisation and decision making.

## Computer Skills and Languages

Computer: Python for advanced OOP and web development, Matlab, Octave, R, Git, Unix, LaTeX, C++ for Python extensions and path planning using TurtleBot Gazebo framework.

Machine L.: Numpy, Scikit-Learn, Pandas.

Deep L.: Pytorch, Gym, Tensorflow.

Languages: **English**: fluent | **French**: native | **German**: intermediate | **Japanese**: beginner.

## Interests

Research Interests: Reinforcement Learning, Meta-Learning, Cognitive Science, Neuroscience. Currently working on adaptive learning and semi-supervised learning for temporal representation of brain signals.

Hobbies: I love cycling, travelling and cinema. I write articles on *Medium*.

## Volunteering

2017–2019 **Vice-President**, *Cheer Up CentraleSupélec (Student Charity)*, Paris, France.
Offered children that suffered from cancer the opportunity to fulfil their dreams and gave them a positive mind regarding their disease.

2017–2019 **IT manager**, *Cheer Up CentraleSupélec (Student Charity)*, Paris, France.
Managed communication and planned visits to the hospital.