

Clément Bonnet

Graduate Student in 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, Sequential Learning, Neuroscience
 - Computational Statistics and Graphical Models
 - Speech and Natural Language Processing,
- 2017–2021 **MSc in Applied Mathematics**, *CentraleSupélec University*, Paris, France.
Grande École programme, following from two years of intense undergraduate courses.
- Advanced Probabilities, Statistics and Bayesian Machine Learning
 - Discrete Inference Learning and Optimisation
 - Deep Learning and Computer Vision.
- 2019 **Visiting student**, *National University of Singapore*, Singapore.
(6 months)
- Intelligent Systems and Robotics,
 - Technology Entrepreneurship,
 - Database Design and Tuning.
- 2015–2017 **Undergraduate courses in Mathematics, Physics and Computer Science**, *Prépa Lazaristes*, Lyon, France.
A two-year programme in Mathematics and Physics for competitive entrance to top French engineering schools called Grandes Écoles.

Work Experience

- 2021 **Research Intern in Reinforcement Learning**, *InstaDeep*, London, United Kingdom.
(6 months)
- Meta-gradients in reinforcement learning
 - Hyperparameters self-tuning
- 2020 **Machine Learning Intern**, *Lake Parime*, London, United Kingdom.
(6 months)
- Led a Data Science project to model wind turbine production variability using Markov chains.
 - Built a Machine Learning strategy model to scale the current business.
 - Made an internal web application.

- 2019 **Data Scientist Intern**, *Coreso*, Brussels, Belgium.
(6 months)
 - 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 **Data Analyst Intern**, *Nexans*, Rognan, Norway.
(1 month) Created data analysis scripts for optical fibre optimisation and decision making.

Computer Skills

- Computer Python for advanced OOP and web development, Matlab, Octave, R, Git, Unix, \LaTeX , C++ for Python extensions.
- ML Jax, Numpy, Scikit-Learn, Pandas.
- DL Jax ecosystem (Haiku, Optax, ...), Pytorch, Gym, Tensorflow and Keras.

Languages

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

Interests

- Research Reinforcement Learning, Meta-Learning, Neuroscience.
- Hobbies I love cycling, travelling and cinema. I have started to write articles on *Medium*.

Volunteering

- 2018–2019 **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.