Clément Bonnet | Graduate Student, Applied Mathematics and Machine Learning

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Education

MVA - Master of Research in Machine Learning **Paris, France**
École Normale Supérieure Paris-Saclay *2020.09 – present*

- Computer Vision
- Reinforcement Learning
- Statistical Learning

Master's in Applied Mathematics **Paris, France**
CentraleSupélec *2017.09 – present*

- Advanced Probabilities and Statistics
- Optimisation
- Random Matrix Theory

Visiting Student **Singapore**
National University of Singapore *2019.01 – 2019.06*

- Intelligent Systems and Robotics
- Technology Entrepreneurship
- Database Design and Tuning

Experience

Machine Learning Researcher **London, United Kingdom**
Lake Parime, High-Performance Computing *2020.01 – 2020.07*

- 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

Data Science Project Engineer **Brussels, Belgium**
Coreso *2019.06 – 2019.12*

- 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

Data Analyst   **Rognan, Norway**
Nexans   *2018.06 – 2018.07*
o Created a data analysis software for optical fibre optimisation and decision making

Computer Skills

Python: Advanced object-oriented programming, experience in web development with Django and Flask

Java: Experience in parallel computing using hyper-threading

C++: Computer Vision and path planning using TurtleBot Gazebo framework, experience with the C++ API for Python extensions

ML: Experience with Pandas and Scikit-Learn as well as in Deep Learning with TensorFlow and PyTorch

Research Interests

Research: Machine Learning, Cognitive Science, Meta-Learning

Readings: *Nature Machine Intelligence Journal*, everyday AI news on *medium.com*, *deeplearning.ai* and other newsletters, I write articles on <u>*Medium*</u>.

Language Skills

English - fluent | **French** - native | **German** - intermediate | **Japanese** - beginner

Volunteering

Cheer Up CentraleSupélec (Student Charity)   **Paris, France**
Vice-President   *2017.10 – 2019.05*
Offered children that suffered from cancer the opportunity to fulfil their dreams and gave them a positive mind regarding their disease