

Clément Bonnet | Graduate Student, Applied Mathematics and Computer Science

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Education

CentraleSupélec

Master's degree in Engineering, specialised in Applied Mathematics and Artificial Intelligence

Paris, France
2017.09 – present

- Advanced Probabilities and Statistics
- Numerical Methods and Optimisation
- Algorithms and Data Structures

National University of Singapore

Visiting Student

Singapore
2019.01 – 2019.06

- Intelligent Systems and Robotics (Computer Vision)
- Machine Learning and Technology Entrepreneurship
- Database Design and Tuning (Applied Mathematics)

Prépa Lazaristes

Higher School Preparatory Classes for Grandes Écoles

Lyon, France
2015.09 – 2017.07

- Mathematics | Physics | Computer Science

Experience

Lake Parime (startup in High-Performance Computing)

London, United Kingdom

Machine Learning Researcher

2020.01 – present

- Writing a research paper on mathematical kernels to optimise both High-Performance Computing and Big Data Computing Stacks
- Leading a Data Science project to model wind turbine production variability (Markov chains and ARIMA models for production forecast)
- Building a Machine Learning Classification model to distribute workload among data centres

Coreso

Brussels, Belgium

Data Science Project Engineer

2019.07 – 2019.12

- Performed several Data Analyses about commercial and physical exchanges on the European power grid
- Created a Python software that computed long-term capacity for European bidding zones to send to the market
- Built a Data Pipeline and Python visualisation framework that enabled operators to monitor data files within the company

Nexans

Rognan, Norway

Operator and Data Analyst

2018.06 – 2018.07

- Created a Data Analysis software for decision making and optical fibre optimisation

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 CUDA for GPU optimisation

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

Research Interests

Research: Artificial Intelligence, Machine Learning, Data Science and Computer Vision

Readings: Subscribed to *Nature Machine Intelligence Journal*, I also read AI news everyday on *Medium.com*, *deeplearning.ai* and other newsletters

Language Skills

Level: English - fluent | French - native | German - intermediate (B1) | Japanese - beginner

Volunteering

Cheer Up CentraleSupélec (Student Charity)

Paris, France

Vice President

2017.10 – 2019.05

We enable children that suffer from cancer to fulfil their dreams and have a positive mind regarding their disease