

ACHILLE BAUCHER

M2 Student in Applied Mathematics and Computer Science

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📄 github.com/achillebaucher

EDUCATION

Erasmus Exchange Semester

University of Oslo

📅 January 2021 – June 2021

📍 Oslo, Norway

- Probabilistic Graphical Models, Computational Statistics, Statistical Model Selection

Engineering Cursus in Applied Mathematics and Computer Science

Polytech Sorbonne

📅 2016 – Now

📍 Jussieu, Paris

- Algorithmic, Matrix Numerical Analysis, Optimization, Signal Processing, Scientific Computing, Statistics and Statistical Learning, ...

Baccalauréat S Physique-Chimie, Mention Bien

Lycée Hoche

📅 June 2016

📍 Versailles

INTERNSHIPS

Dimension Reduction and Clustering of letters from Assemblée Nationale

Python ScikitLearn NLTK Matplotlib Regex

LIP6

📅 June 2020 – July 2020 📍 Paris

Intern Computing Engineer

Python Scrapy Django Regex

Mooveat (Intermediary local food network)

📅 June 2019 – July 2019 📍 Paris

SCIENTIFIC SCHOOL PROJECTS

Transfer learning for Random Forests

Python ScikitLearn

Polytech

📅 December 2020 – January 2021

📍 Jussieu, Paris

Optimisation of Enumeration of Steiner Trees

Python Plotly Matplotlib

LIP6

📅 September 2020 – January 2021

📍 Jussieu, Paris

NLP and statistical Analysis of letters from Assemblée Nationale

Python Pandas Matplotlib Spacy

Metriq (Data Analysis) & Proches (Communication of influence)

📅 September 2019 – Today

📍 Jussieu, Paris

Time series analysis and classification R

[Kantar \(Measures and consulting for ads\)](#)

📅 January 2019 – May 2019

📍 Jussieu, Paris

Mathematic Modelling of Natural Selection phenomena Matlab

[Laboratory of Computational and Quantitative Biology](#)

📅 September 2018 – January 2019

📍 Jussieu, Paris

ASSOCIATIVE EXPERIENCES

Co-founder - Co-president

[Lupalytech](#)

📅 July 2019 – Today

📍 Jussieu, Paris

- Environmental awareness and ecological workshops organization
- Recruiting, conception, distribution and supervision of projects

Co-founder and Chief of Rafisto workshop

[Enactus Polytech Sorbonne](#)

📅 September 2018 – May 2019

📍 Jussieu, Paris

- Organization of repair workshops and awareness against planned obsolescence, partnership with associations
→ Initiatives taken to answer the problem we analysed

Member and Patrol Chief

[Association of the Guides and Scouts of Europe](#)

📅 September 2011 – July 2016

📍 Versailles, entire France

- Organization of diverse projects : buildings, camps
→ Commitment, anticipation, creativity
- Chief of a team with eight members during one year
→ I took decisions, assigned tasks and motivated people

CODING

Python Pandas, ScikitLearn, NLTK, NetworkX, Plotly, TensorFlow, Numpy, Scipy, Matplotlib

C++ POO, Cuda

R Statistics Optimizaion

Matlab Calculus, Signal Processing

C OpenMP, MPI

LaTeX Scientific Reports, Tikz

LANGUAGES

French

English

Chinese

