

Timothee Chauvin

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EDUCATION

2017– **École Polytechnique** (*currently in 2nd year*)
Majoring in

- Mathematics (Statistics, Probabilities)
- Computer Science (Logic, Algorithms, Data Science)
- Biology (Cell Biology, Genetics, Pathologies and Therapeutic Strategies)
- Physics (Statistical Physics)

2015–2017 **Lycée Sainte Geneviève, Versailles**: Classes préparatoires
Two-year intensive undergraduate program leading up to competitive nationwide entrance exams

EXPERIENCE

OCT 2017–APR 2018 **Teacher in prison**
Villefranche sur Saône, France. 6-month full-time immersion in the prison system, as part of my first year at Polytechnique.
Taught inmates math, science and other subjects.
Gained deep understanding of the French prison system. Full review [here](#)

PROJECTS & EXTRA COURSEWORK

2018–2019 **Inductive dynamic charging of electric cars.**
Supervisor: François COLET, VEDECOM Institute
8-month research project on the electric road, leader of a team of 6. Reviewing the technology and proposing optimizations, especially concerning the shape and spatial layout of electric coils. *Current progress*

2018 Completed **Neural Networks and Deep Learning**, *Michael Nielsen (code)*
Involves building neural networks from scratch, then making use of ML Python libraries.

2017– **Open source contributions**

2016–2017 **Valorization of organic waste**
Researched and optimized the valorization of banana peels through bioplastics synthesis and composting, in a team of 4

LANGUAGES

FRENCH	Native
ENGLISH	Fluent
GERMAN	Intermediate

TECHNICAL SKILLS

LANGUAGES	Shell, C++, Python, Java, HTML, CSS, SQL, OOoBasic
TOOLS	Git, LaTeX, R
PLATFORMS	Linux

INTERESTS & ACTIVITIES

TOPICS	rationality, effective learning
SPORTS	ultimate frisbee (captain of Polytechnique's team), running
MUSIC	violin