

# Clément Lalanne

Computer science student

École Normale Supérieure - Paris, France

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21 years old

French



## Current situation

2017–2018 **Masters student in Computer Science**, *École normale supérieure*, Paris, France, [www.ens.fr](http://www.ens.fr).

## Curriculum

2016–2017 **Computer science student**, *École normale supérieure*, Paris, France, [www.ens.fr](http://www.ens.fr).

2014–2015 **Preparatory courses for competitive entrance examination ‘Classes Préparatoires aux Grandes Ecoles’**, *mathematics and physics*, Louis-Le-Grand High School, Paris, France.

2013–2015 **Preparatory courses for competitive entrance examination ‘Classes Préparatoires aux Grandes Ecoles’**, *mathematics and physics*, Louis Barthou High School, Pau, France.

2010–2013 **General Baccalaureate, major in science**, ‘received with honours’, *Louis Barthou High School*, Pau, France.

## Achievements

2016 **Passed Ecole normale supérieure entrance examination**, ranked 15<sup>th</sup>.

2016 **Passed Ecole Polytechnique entrance examination**, ranked 76<sup>th</sup>, [www.polytechnique.edu](http://www.polytechnique.edu).

## Languages

French **Mother tongue.**

English **Upper intermediate.**

Spanish **Elementary.**

Japanese **Elementary.**

## Skills

Computer science **Algorithm, Compiling, Hardware, Formal languages, Calculability and Complexity, Information theory, Parallel programming, Network algorithms, Computer vision, Convex and combinatory optimization, Statistical learning.**

Algebra **Sets, Group theory, Rings, Fields, Vector spaces and Hilbert spaces.**

Analysis **Vector applications defined on  $\mathbb{R}$ , Riemann’s integration, Series of functions, Normed vector spaces, Topology and Differential calculus..**

Integration **Lebesgue’s integration and Probabilities (discrete and continuous).**

Physics **Mechanics, Electromagnetism, Thermodynamics, Quantum physics basics.**

Chemistry **Basic knowledge.**

Langages **Objective CAML, Python, L<sup>A</sup>T<sub>E</sub>X, C basics, Rust basics.**

Tools **Unix basics, Git.**

## Internship

Summer 2017 **De-anonimization and privacy : Study of a random graph model**, *Supervised by Florian Simatos*, ISAE Supaero, Toulouse, France.

## Reference

Tutor **Professor Francis Bach.** Researcher at INRIA Paris and leader of the **SIERRA project-team** within the Computer Science department of Ecole normale supérieure, (*Francis Bach's homepage*).

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## Other activities

Sports **Running, Canyoning.**

Music **Music theory, Guitar, Composition.**