# Clément Lalanne

*Computer science student*
*École Normale Supérieure - Paris,*
*France*
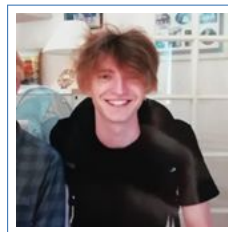
15 cami Lacampagnotte
64230 Siros, France
✆ +33 7 50 33 41 50
✉ clement.lalanne@ens.fr
🖰 clementlalanne.github.io/
23 years old
French

## Current situation

2018–2019 **Master's degree student, MVA**, *École normale supérieure, École normale supérieure Cachan,* Paris, France, MVA website.

## Curriculum

2017–2018 **Master's degree student in Computer Science (first year), 'received with honours'**, *École normale supérieure*, Paris, France, www.ens.fr.

2016–2017 **Bachelor's degree, Computer Science, 'received with honours'**, *École normale supérieure*, Paris, France, www.ens.fr.

2015–2016 **Preparatory courses for competitive entrance examination 'Classes Préparatoires aux Grandes Ecoles'**, *mathematics and physics*, Louis-Le-Grand High School MP*3, 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.

## Internships

Spring-Summer 2018 **Storage-optimal continuous optimization**, *Supervised by Volkan Cevher*, EPFL Lions, Lausanne. Switzerland

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

## Achievements

2016 **Passed École normale supérieure entrance examination**, *ranked $15^{th}$*.

2016 **Passed École Polytechnique entrance examination**, *ranked $76^{th}$*, www.polytechnique.edu.

## Languages

French **Mother tongue**.
English **Upper intermediate**.
Spanish **Intermediate**.
Japanese **Elementary**.

## Reference

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

## Other activities

Sports **Running, Canyoning**.
Music **Music theory, Guitar, Composition, Band leader**.
Video Games **Experience playing as a team**, *League of Legends*.

# Teaching Units

## 2018-2019

App M **Large Scale Distributed Optimization & Computing**, *J.C. Pasquet, E. Chouzenoux.*

App M **Inverse Problems and Imagery**, *J. Garnier.*

App M **Geometry and Manifolds**, *A. Trouvé, J. Glaunes.*

App M **Kernel Methods for Machine Learning**, *J.P. Vert, J. Mairal.*

App M **Learning with Deep Neural Networks**, *S. Mallat.*

App M **Theorical Foundation of Deep Learning**, *S. Gerchinovitz, F. Malgouyres, E. Pauwels, N. Thome.*

App M **Algorithms for Speech and Natural Language Processing**, *E. Dupoux, B. Sagot.*

App M **Deep Learning**, *V. Lepetit.*

App M **Object Recognition and Computer Vision**, *J. Ponce.*

App M **Mathematical Foundation of Data Science**, *G. Peyré.*

App M **Graphs in Machine Learning**, *M. Valko.*

App M **Reinforcement Learning**, *A. Lazaric.*

App M **Probabilistic Graphical Models**, *F. Bach.*

## 2017-2018

App M **Statistical Learning**, *F. Bach.*

App M **Convex and Combinatorial Optimization**, *A. D'Aspremont.*

App M **Introduction to Computer Vision**, *J. Sivic.*

CS **Robotics**, *J.P. Laumond.*

CS **Software Engineering**, *D. Baelde.*

CS **Parallel and reactive programming**, *A. Cohen.*

## 2016-2017

App M **Information Theory**, *B. Blaszczyszyn.*

Math **Topology and Diffential Calculus**, *L. Charles.*

Math **Integration and Probabilities**, *R. Cerf.*

CS **CS by practice**, *D. Naccache.*

CS **Systems and Networks**, *M. Pouzet.*

CS **Digital Systems : from circuits to algorithms**, *D. Naccache.*

CS **Formal Languages, Calculability and Complexity**, *D. Vergnaud.*

CS **Programming languages and compilation**, *J.C. Filliâtre.*

CS **Algorithmics and Programming**, *A. Bouillard.*

## 2013-2016

Math **General formation equivalent to two years of bachelor's degree.**

CS **General formation equivalent to two years of bachelor's degree.**

Ph **General formation equivalent to two years of bachelor's degree.**