Lucie **Le Briquer**

STUDENT AT THE **ÉCOLE NORMALE SUPÉRIEURE PARIS-SACLAY**, FRANCE

✉ lucie.le_briquer@ens-paris-saclay.fr   🏠 lucie-lebriquer.fr

Born on the 15th of July, 1997

EDUCATION

École Normale Supérieure Paris-Saclay   *Cachan, France*
First year of a master's degree in mathematics.   2017–current

École Normale Supérieure Paris-Saclay   *Cachan, France*
Third year of bachelor of Computeur science and Mathematics.   2016–2017

Lycée Pierre de Fermat   *Toulouse, France*
Intensive 2-year course in preparation to sit the national competitive exams for admission to the French
Grandes Écoles.   2014–2016

Lycée Louis Vicat   *Souillac, France*
Highschool diploma   2014

COURSES TAKEN IN MASTER

First semester	Spectral Theory, Functional analysis, Probabilities, Introduction to physical mathematics
Second semester	Machine learning, Optimization, Digital images processing, Uncertainties

COMPUTER SKILLS

OCaml	Advanced knowledge. Three years of regular pratice. As a project, a compiler for a simplified version of C was realized in 2016, with GNU assembly as target language (approx. 700 LoC).
LaTeX	Advanced knowledge.
C++	Intermediate knowledge. Used during the computer intership done in 2017.
Python	Intermediate knowledge. Smaller projects regularly done through the schooling.

EXPERIENCES

Computer intership   *LIRIS, Lyon, France*
A variational approach in order to regularize a digital surface using a normal vector field alignment principle
was proposed by my supervisor's research team. The objective of my intership was : the use of the   2017
functionnal to regularize digital multi-surfaces and investigation on other algorithms.

Computer intership   *IRIT, Toulouse, France*
A computer traineeship about Automata theory.   2012

LANGUAGES

French	Native
English	Cambridge Certificate of Advanced English (CAE) level C1

INTERESTS

Piano	Ten years of practice, a classical and jazz education
Vocal	Choral during eight years