

# Lev-Arcady Sellem

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## Education

### First year of the Hadamard master's degree in mathematics

ÉCOLE NORMALE SUPÉRIEURE PARIS-SACLAY

September 2017 - Today

Cachan, France

### Computer science internship

LIRIS

June - July 2017

Lyon, France

Generation and edition of subdivision landscapes.

### Third year of bachelor in Mathematics and Computer science

ÉCOLE NORMALE SUPÉRIEURE PARIS-SACLAY

2016 - 2017

Cachan, France

### Intensive 2-year preparation to sit the highly selective national exams for admission to the French Grandes Ecoles

LYCÉE HOCHÉ

2014 - 2016

Versailles, France

### French scientific Baccalaureate

LYCÉE HOCHÉ

2014

Versailles, France

## Courses

**1st semester** Algebra, Functional analysis, Probabilities, Spectral theory, Introduction to physical mathematics

**2nd semester** Geometry, Compact groups and Lie groups, Digital images processing, Optimization, Uncertainties

## Computer skills

**OCaml** Proficiency - Development of a project of 700 lines of code

**Python** Regular use in small projects for 3 years

**TEX** Proficiency

**Miscellaneous** Basic knowledge of PostgreSQL, Bash, C, Java and Assembly

## Languages

**French** Native

**English** Fluent - Cambridge English Advanced certification at grade A (C2 level)

**Russe** Intermediate - 9 years of study

## Projects

### IT manager of the Students' Council

2017

Development (Python) and maintenance of an online application, which allows the Council to count its members and manage the activities on the campus, and which runs the transactions between students. Maintenance of the underlying database (PostgreSQL). Approximately used by 700 students.

### Programming project

1st semester of 2016

Development (OCaml) of a compiler for a shrunken C, with only basic types (integers, strings, arrays, pointers ...) but extended with exceptions, with GNU assembly as target language. Approximately 60h and 700 lines of code.

## Hobbies

**Harp** 13 years of practice in a music conservatory - graduated in 2015

**Piano** 2 years of practice in a music conservatory

**Latin** 2nd accessit in the French Concours Général in 2013

**Ancient Greek** 2nd price in the French Concours Général in 2013

**Philately**