

# Lev-Arcady Sellem

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## Education

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

ÉCOLE NORMALE SUPÉRIEURE PARIS-SACLAY

September 2016 - Today

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

**Mathematics - 1st semester** Algebra (60h), Integration and Probabilities (75h), Differential calculus (65h)

**Mathematics - 2nd semester** Partial differential equations (68h), Probabilities (75h), Complex Analysis (60h)

**Computer science - 1st semester** Computability and Complexity (68h), Programming (75h), Algorithms (75h)

**Computer science - 1st semester** Formal languages (75h), Logic (75h), Algorithms (75h)

## Computer skills

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

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

**LaTeX** Proficiency

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

## Languages

**French** Native

**English** Fluent - Cambridge English Advanced certification expected in May, 2017 (C1 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). Approximatively 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. Approximatively 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**