

# Lev-Arcady Sellem

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## Education

### Computer science internship

LIRIS

Generation and edition of subdivision landscapes.

June 2017 - Today

Lyon, France

### 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

#### 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