Lev-Arcady **Sellem**

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Education

First year of the Hadamard master's degree in mathematics	*September 2017 - Today*
École Normale Supérieure Paris-Saclay	*Cachan, France*
Computer science internship	*June - July 2017*
LIRIS	*Lyon, France*
Generation and edition of subdivision landscapes.	
Third year of bachelor in Mathematics and Computer science	*2016 - 2017*
École Normale Supérieure Paris-Saclay	*Cachan, France*
Intensive 2-year preparation to sit the highly selective national exams for admission to the French Grandes Ecoles	*2014 - 2016*
Lycée Hoche	*Versailles, France*
French scientific Baccalaureate	*2014*
Lycée Hoche	*Versailles, France*

Courses

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

2nd semester   Geometry : Algebraic topology and differential topology, Compact groups and Lie groups, Digital images processing, Optimization, Uncertainty management and risk analysis

Computer skills

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

Python   Regular use

LaTeX   Proficiency

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

Languages

French   Native

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

Russian   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

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