

# Simon Pepin Lehalleur

## Curriculum Vitae

### PERSONAL INFORMATION

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NATIONALITY: French  
DATE OF BIRTH: January 9th, 1986  
ADDRESS: Selchowerstrasse 35, 12049, Berlin, Germany  
EMAIL: simon.pepin.lehalleur@gmail.com

### SKILLS AND WORK EXPERIENCE

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#### Data Science

Probability: took classes in Measure theory, Probability and Stochastic processes during bachelor/master  
Machine Learning and Statistics: self-study, completed the Coursera “Machine Learning” course in 2014  
Python + scientific/data analysis stack: numpy, pandas, scikit-learn

#### Languages

French (native), English (fluent), Spanish (B2), German (B1)

#### Work experience during education

Developing and carrying out a research program  
Writing and publishing research papers  
Organisation of seminars, preparing and giving seminar talks  
Teaching assistant for several mathematics course at bachelor and master levels (linear algebra, discrete mathematics, algebraic geometry, algebraic topology, differential geometry) 2009-2013  
Teaching assistant for programming course in Python ([edx.math.uzh.ch/courses/IMATHatUZH/MAT101/Fall\\_2013/about](http://edx.math.uzh.ch/courses/IMATHatUZH/MAT101/Fall_2013/about)) ;programmed the automated grading system 2013

### EDUCATION

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#### Postgraduate studies

Ph.D. in Mathematics, University of Zürich 2011-2015  
Supervised by Prof. Joseph Ayoub on “Relative 1-motives” (Algebraic geometry, algebraic topology)  
Ph.D. student, Université Paris 13 (supervised by Prof. Jörg Wildeshaus and Prof. Joseph Ayoub) 2009-2011  
A semester in Northeastern University (Boston) 2008-2009

#### Undergraduate studies :

L3-M1-M2 in mathematics with distinction, Universités Paris 7-11 (Paris) 2006-2008  
Ecole Normale Supérieure (Paris) 2005-2009

#### Competitions and awards

Successful application for a research grant (“Forschungskredit”, University of Zürich, 55200 CHF) 2013  
Admitted in the Ecole Polytechnique and the Ecole des Mines de Paris 2005  
Participated in the International Mathematical Olympiads 2003  
”Concours Général de mathématiques”, Paris, 3rd place 2003