

Employment	Daedalean AG , Machine learning scientist Zürich (Switzerland)	From 07/2019
	Centre de Recherches Mathématiques & McGill University Montréal (Canada) Postdoctoral researcher, advised by Prof. H. Darmon (McGill), C. David (Concordia), D. Koukoulopoulos (Université de Montréal) and M. Radziwill (McGill/Caltech). Research & teaching of undergraduate and graduate classes.	06/2017 – 06/2019
	ETHZ & Mathematical Sciences Research Institute (MSRI) Zürich (Switzerland) & Berkeley (CA, USA) Postdoctoral researcher.	09/2016 – 05/2017
Education	PhD in Mathematics ETH Zürich (Switzerland) Thesis <i>Probabilistic aspects of short sums of trace functions over finite fields</i> , in analytic number theory, supervised by Prof. Emmanuel Kowalski.	09/2014 – 08/2016
	Bachelor and Master of Science in Mathematics EPF Lausanne (Switzerland) and Stanford University (USA) Master thesis at Stanford University, supervised by Prof. Akshay Venkatesh and Prof. Philippe Michel.	09/2009 – 07/2014
Scientific activities	<ul style="list-style-type: none">– Publications in <i>International Mathematics Research Notices (2)</i>, <i>Transactions of the American Mathematical Society</i>, <i>Mathematika</i>, <i>Mathematical Proceedings of the Cambridge Philosophical Society</i>, <i>Newsletter of the European Mathematical Society</i>. Three preprints submitted.– Peer review for <i>Journal of the London Mathematical Society</i>, <i>the Canadian Journal of Mathematics</i>, <i>International Mathematics Research Notices</i> and <i>the Journal of the Institute of Mathematics of Jussieu</i>, <i>Memoirs of the American Mathematical Society</i>, <i>Société Mathématique de France</i> and <i>Algebra & Number Theory (2)</i>. Reviewer for <i>Mathematical Reviews</i>.– Talks at ETH Zürich (workshop), Université de Bordeaux (seminar), York University (seminar), McGill University (seminar), Laval University (contributed talk), Tel-aviv University (workshop), Mathematical Congress of the Americas (contributed talk), ICMAT (seminar), University of Maine (contributed talk).– Attendance of local and international conferences in Canada, France, Germany, Israel, Italy, Switzerland, USA.	
Awards and fellowships	CRM-ISM Fellowship “These fellowships offer young researchers from around the world the opportunity to devote the major part of their time to their research work. The selection process of these fellows is very rigorous; this is an extremely competitive competition where, a priori, the chances of success are of less than 1%.”	06/2017 – 06/2019
	ETH Medal Awarded to “outstanding doctoral theses (top 8%)” at ETH Zürich.	04/2017
	EPF Lausanne Excellence Fellowship Awarded for “outstanding academic performance” during the Bachelor cycle.	09/2012 – 07/2014

Teaching activities

- Instructor and co-coordinator for Calculus 2 (MATH141), McGill University, Fall 2018, 220 students, 39h.
- Instructor for Topics in Number theory (MATH726), graduate class at McGill University, Winter 2018, 39h.
- Teaching assistant at EPF Lausanne in 2011–2014 for Abstract Algebra, Topology, Discrete Mathematics and Projects in Computer Science. Development of course material in Computer Science.
- At ETH Zürich, grading of written and oral examinations.

Other work experiences**Freelance software engineering**

2009 – 2019

Numerous software and web development projects in Python, C++, PHP and others, for small and medium enterprises.

edTechLab AG (Zürich)

08/2015 – 02/2016

Software development in Python and Java for the [Taskbase](#) e-learning platform.