

Scholarship

- 2017- **Preparing a PhD**, *Local and Global Regularities in Infinite Words*, UCBL, Lyon.
Thesis Directors: Luca Q. Zamboni, Gabriele Fici
- 2016-2017 **Preparing the agregation**, *Ecole Normale Supérieure de Lyon*, Lyon, Ranked 39.
- 2015-2016 **Master degree Mathematiques de la modelisation, speciality Game theory and Optimisation**, *Université Pierre et Marie Curie (ParisVI)*, Internship with J.-P. Allouche on *Automatic Sequences*, Mention très bien.
- 2014-2015 **Master degree in mathematics at École Normale Supérieure in Paris-first year**, *Université Paris XI*, Paris.
- 2011-2012 **Mathematics degree at École Normale Supérieure in Paris**, *Université Paris XI*, Paris.
- 2008-2011 **Preparatory class, Mathematics and Physics**, Lycée Chaptal, Paris.
Results after the competitive examinations : accepted to the École Normale Supérieure in Paris, placed 58th. (Also accepted to Ecole Polytechnique, placed 127th, to ENS in Cachan, placed 27th, and to ENS in Lyon, placed 27th.)
- 2008 **Baccalauréat**, Lycée Les Pierres Vives, Carrières-sur-Seine (78),
Options : mathematics, latin.

Articles

- 2020 **Open and closed complexity of infinite words**, <https://arxiv.org/pdf/2005.06254.pdf>, preprint submitted to the Bulletin of the LMS, joint work with Olga Parshina.
- 2019 **ω -Lyndon Words**, *TCS*, joint work with Luca Zamboni.
- 2019 **Anti-Powers in aperiodic uniform morphisms fixed points**, <https://arxiv.org/pdf/1908.10627.pdf>.
- 2018 **Abelian Anti-Powers in Infinite Words**, *AAM*, Vol 108, joint work with Gabriele Fici and Manuel Silva.

Talks

- 2020 **WARG Seminar**, *Palermo*, Italy, February 21, 2020.
 ω -Lyndon Words
- 2020 **Journée d'équipe CTN**, *Lyon*, France, January 28, 2020.
Factorisations de Lyndon généralisées
- 2018 **JM2018 : 17èmes Journées Montoises d'Informatique Théorique**, *Bordeaux*, France, September 10-14, 2018.
Abelian Anti-Powers in Infinite Words
- 2018 **SEMDOC : Séminaire des doctorantes et doctorants**, *Lyon*, France, October 22, 2018.
Puissances et Antipuissances en Combinatoire des Mots.

Conferences

- 2019 **WORDS 2019 : 12th International Conference**, *Loughborough*, UK, September 9-13, 2019.
- 2018 **JM2018 : 17èmes Journées Montoises d'Informatique Théorique**, *Bordeaux*, France, September 10-14, 2018.
- 2018 **INTERACTIONS18 : Colloque InterActions en Mathématiques**, *Lyon*, France, May 14-18, 2018.
- 2018 **WORDSCOMPLEXITY : Words and Complexity**, *Lyon*, France, February 19- 23, 2018.
- 2018 **RAMSEYEQUATIONS : Workshop on Ramsey Theory of Equations and related topics**, *Pisa*, Italy, February 16-17, 2018.
- 2017 **ADDCOMB Ramsey : Ultrafilters, Ramsey Theory and Dynamics**, *Lyon*, France, 20-24 nov. 2017.

Teaching

- 2020-2021 **Teacher in mathematics for first year mathematics students**, *Activité Temporaire d'Enseignement et de Recherche*, Université Claude Bernard Lyon.
- 2017-2020 **Teacher in mathematics for first and second year mathematics students**, *Activité Complémentaire d'Enseignement*, Université Claude Bernard Lyon.
- 2013-2017 **Working as oral Examiner in mathematics for first and second year mathematics students**, *Employers : Lycée Jacques Decour (Paris), Lycée Michelet (Vanves), Lycée Louis-le-Grand (Paris), Lycée Jean Perrin (Lyon)*.
- 2013-2014 **Working as home study teacher in mathematics for high school students**.

Skills

Langages

English Fluent, written and spoken

French Native speaker

Computing

Programming Basic knowledge on Python, Sage, HTML, LaTeX

Interests and activities

Leisure Sport (Badminton, Trail and Hiking, Cycle, Juggling).

Others Secretary in the ENS Student Sports Union (2011-2012), Vice-president of the Wine-testing club of the ENS (2014-2015)