Luigi Marangio

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Personal Website:	Portfolio
Websites:	in linkedin
	ResearchGate
	GitHub
	Google Scholar

Summary

I am working as Integrations Engineer at Channable, within the Imports, Feeds & Internal Systems team.

During my two Ph.D. I produce high-quality research at the crossroad of mathematics and computer science, applying theoretical concept to concrete problems with hands-on experience in making algorithms. Strong communication skills forged through numerous teaching experiences (French/English/Italian), participation in international congresses and conferences, work experience abroad.

When I'm not doing math: international volunteering, travel addicted, trading, avid reader, amateur grower, meditation, juggling, +10 years vegetarian.
Check out my Portfolio!

Work Experience

Mar 2022–
Integrations Engineer at **Channable**, Utrecht, Netherlands

Nov 2021–Jan 2022
Algorithm Developer at **Randstad**, Milan, Italy
Working on a Python project to optimize automation processes for one of the world's leading logistics companies

Jul 2021–Oct 2021
Researcher at **Math department**, Pisa University, Italy
Worked in the international dynamical system team, developing a Fourier-based method for rigorous computations of statistical properties of random dynamical systems.

May 2020–May 2023
Honorary Fellow in Mathematical Analysis at **Math department**, Pisa University, Italy
Worked in the mathematics department in Pisa, supporting the exams activities and providing administrative help

Sep 2017–Apr 2021
Ph.D at **Pisa University**, Mathematics department, Italy
Worked in the mathematics department in Pisa, successfully developing the math part related to my thesis project.

Thesis title: Rigorous computational methods for understanding the statistical behavior of random dynamical systems.

Here, you may find a nice overview to a part of my Ph.D work, which has been cited in the 2021 Nobel prize for physics literature.

Check out my publications at Google Scholar

SEP 2017–AVR 2021	**Ph.D** at **Bourgogne Franche-Comté University**, Computer Science and Complex Systems department, France Worked in the computer science department in Belfort, successfully developing the scripts and algorithms necessary to my thesis project; participated at various cryptography projects related to pseudo random number generators.
	Check out my scripts at GitHub
MAR 2020– JAN 2021	**Assistant Teacher** at **Mathematics, Calculus 1**, Pisa University, Italy
OCT 2020–MAR 2021	**Visiting Researcher** at **Mathematics**, Universidade Federal do Rio de Janeiro, Brazil
JAN 2019–JUN 2019	**Teacher** at **Computer Science, Numerical Analysis**, IUT-BM Informatique, Université Bourgogne Franche-Comté, France
JAN 2019–AVR 2010	**Assistant Teacher** at **Computer Science, Object-based programmation**, IUT-BM Informatique, Université Bourgogne Franche-Comté, France

PROGRAMMING PROFICIENCY

LANGUAGES:	Python (proficient), Julia(proficient), Octave/Matlab (familiar), C(familiar), SQL (learning), R (learning), Tableau (learning), Java (learning)
LIBRARIES/TOOLS:	ArbNumerics.jl (proficient), Interval Arithmetics.jl (proficient), Xpress (familiar), Scikit-learn (familiar), Gensim (familiar)
MISC:	Markov Chains, prediction models, data-driven methods, transfer operators, random dynamics

LANGUAGES

LANGUAGES:	Italian (mother tongue), English (proficient) , French (proficient), Brazilian Portuguese (familiar)

ONGOING WORK

COURSES:	Google Data Analytics Professional Certificate — Coursera Dutch
ARTICLE IN PROGRESS:	[L. Marangio, I. Nisoli, S. Galatolo] A posteriori validated numerical method for the computation of stationary measures based on Fourier approximation
JULIA PACKAGE IN PROGRESS:	[I. Nisoli, L.Marangio] NoiseFourier.jl