Federico Musciotto

Research Fellow

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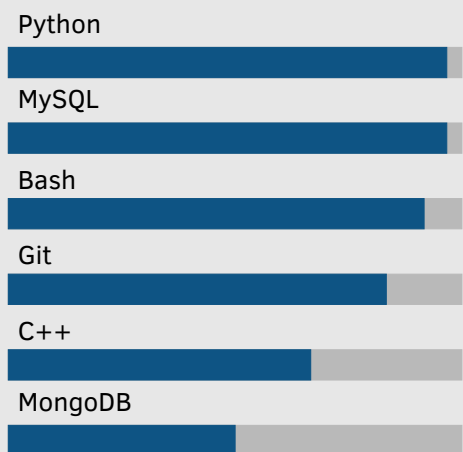☎ +39 3936232451

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About me

I am a young physicist with a deep interest in complexity and its challenges. During my experience as a researcher I've built a strong knowledge on networks, financial big data and computational social science. My personal career goal is to work in an open environment in which the newest ideas are applied to reshape our world in a more fair and efficient way. I am a quick learner and I genuinely enjoy the idea of mixing expertise and knowledge from different disciplines to get something completely new.

Programming Skills

Python

MySQL

Bash

Git

C++

MongoDB

Experience

2018-current	Research Fellow	CEU, Budapest
	Computational Social Science, Science of Science	
2017	Visiting researcher	University of Turku
	Data engineering	
2017	Teaching Assistant	CEU, Budapest
	Statistical Methods in Network Science	
2010-2011	Internship	ISTAT, Catania
	Collection and analysis of statistical surveys	

Education

2015-2017	Ph.D.	University of Palermo
	Statistical validation of investment decisions and transactions in financial markets	
2015-2016	Visiting Phd student at the Center for Network Science	CEU, Budapest
	Applied research on Network Science	
2011-2014	M.Sc. First class honours	University of Padova
	Majoring in Theoretical Physics	
2008-2011	B.Sc. First class honours	University of Catania
	Majoring in Physics	
2003-2008	High school	Acireale
	Specializing in classical studies	

Projects

2019	EU Datathon Finalist

Organized workshops

2019	NetSci	Burlington
	Quantifying Success	

Publications

2019	Closing the Gender Gap: Balance versus Equality
	submitted
2019	Science of Success: An introduction
	Proceedings of the International School of Physics "Enrico Fermi", in press
2019	Taking Census of Physics
	Nature Review Physics
2018	Bootstrap validation of links of a minimum spanning tree
	Physica A
2018	Long-term ecology of investors in a financial market
	Palgrave Communication
2016	Patterns of trading profiles at the nordic stock exchange. A correlation-based approach
	Chaos, Solitons and Fractals
2016	Mining social interactions in privacy-preserving temporal network
	ASONAM

Conferences and Schools

2019	NetSci Contributed talk	Burlington
2018	Conference on Complex Systems 2 Contributed talks	Thessaloniki
2018	International School of Physics "Enrico Fermi"	Varenna
2018	NetSci 2 Contributed talks	Paris
2017	International Conference on Computational Social Science Contributed talk, Poster	Cologne
2017	Series on Data science and Complex network analysis Invited talk	Szeged
2016	CDT Easter School, University of Liverpool Invited talk	Liverpool
2016	ASONAM Contributed talk	San Francisco
2015	Networks, Complexity, and Economic Development Contributed talk	Budapest
2015	Lipari School on Computational Complex Systems	Lipari

Languages

English	Full working proficiency
Italian	Native proficiency
Spanish	Conversational level