



Lorenzo Federico

Address: Italy (Home)

WORK EXPERIENCE

UNIVERSITY OF WARWICK – COVENTRY, UNITED KINGDOM

ASSISTANT RESEARCHER IN UNIVERSITY – 01/11/2018 – 30/04/2020

Worked within the combinatorics research group, mostly developing new stochastic models to represent inhomogeneous networks, trying to make them as easy as possible to study analytically.

GREENSILL CAPITAL – WARRINGTON, UNITED KINGDOM

NETWORK THEORY SPECIALIST – 01/01/2021 – 12/03/2021

Worked within the Data Research team to design network-based machine learning models to analyze and predict the credit risk of companies.

LUISS UNIVERSITY – ROME, ITALY

POSTDOCTORAL RESEARCHER – 01/09/2021 – 30/09/2024

Working on developing and applying techniques for clustering spatial data and detecting communities in complex networks, with a focus on applications to social media communication.

LUISS UNIVERSITY – ROME, ITALY

ACADEMIC TUTOR – 01/12/2024 – CURRENT

Giving online lecture and individual tutoring for various exams in the field of statistics.

EDUCATION AND TRAINING

01/10/2008 – 25/09/2012 Rome, Italy

LAUREA TRIENNALE IN MATEMATICA Sapienza University

Website <https://www.mat.uniroma1.it/dipartimento> | Level in EQF EQF level 6

01/10/2012 – 22/09/2014 Rome, Italy

LAUREA MAGISTRALE IN MATEMATICA Sapienza University

Website <https://www.mat.uniroma1.it/dipartimento> | Level in EQF EQF level 7

Eindhoven, Netherlands

PHD IN MATHEMATICS Eindhoven University of Technology

Website <https://www.tue.nl/en/our-university/departments/mathematics-and-computer-science> | Level in EQF EQF level 8

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **TEACHING EXPERIENCE**

Instructor in Functional Analysis

Giving exercise classes for the Functional Analysis course for Mathematics students at Eindhoven University of Technology. Academic Years 2014-15 and 2015-16.

Instructor in Calculus

Giving exercise classes for the Calculus course for Electrical Engineering students at Eindhoven University of Technology. Academic Year 2015-16.

Instructor in Probability and Statistics

Giving exercise classes for the Probability and Statistics course for Computer Science students at Eindhoven University of Technology. Academic Years 2015-16 and 2016-17

Instructor in Probability

Giving exercise classes for the Probability course for Mathematics students at Eindhoven University of Technology. Academic Year 2016-17

Tutor in Stochastic Processes

Supervising student projects for the Stochastic Processes for Mathematics course at Eindhoven University of Technology. Academic year 2016-17

Tutor in Random Graphs

Supervising student projects for the course Random Graphs for Mathematics at Eindhoven University of Technology. Academic year 2017-18

Lecturer in Elements of Coding

Main lecturer for the course Elements of coding 1 & 2, for the Master in Journalism and Multimedial Communication at LUISS University. Academic years 2021-2022, 2022-2023 and 2023-24.