

## MASSIMILIANO CARLO PIETRO RIZZATI

**RESEARCH INTERESTS** Economic Geography, Agent-Based modelling, Macroeconomics with Heterogeneous Agents, Network Theory, Economic Inequality, Technological Innovation and Automation.

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**EDUCATION**

**PH.D. - SCHOOL IN ECONOMICS AND FINANCE - DEFAP - UNIVERSITÀ CATTOLICA DEL SACRO CUORE & UNIVERSITÀ DEGLI STUDI DI MILANO BICOCCA – MILAN, ITALY**  
02/15 – 11/18  
Supervisor: Domenico Delli Gatti (Università Cattolica del Sacro Cuore - Complexity Lab in Economics)  
Thesis title: Heterogeneity in Space: An Agent-based Economic Geography model  
The program included 1.5 years of advanced economic courses.

**MASTER'S DEGREE IN ECONOMICS, RESEARCH FOCUS – UNIVERSITE' CATHOLIQUE DE LOUVAIN –LOUVAIN LA NEUVE, BELGIUM**  
9/11 – 01/13  
Thesis title: "Economic Geography as an Evolutionary Game". Supervisors: Carmen Camacho (IRES), Francesco Guala (DEMM)  
Final grade: Grande Distinction (Magna cum Laude)

**MASTER'S DEGREE IN ECONOMICS AND POLITICAL SCIENCE – UNIVERSITY OF MILAN – MILAN, ITALY**  
01/11 – 01/13  
Economic analysis and Policy curriculum. Selected for the "International Joint degree program" with the Universite Catholique de Louvain.  
Final grade: 110/110

**ERASMUS PROGRAM – Universidade de Coimbra – Coimbra, Portugal**  
09/09 – 03/10  
Courses at the Faculty of economics

**BACHELOR'S DEGREE IN POLITICAL SCIENCE – University of Milan – Milan, Italy**  
09/07 - 12/10  
Minor in economics, selected for the Erasmus exchange program scholarship  
Thesis title: "Il mercato privato dell'energia rinnovabile". Supervisor: Antonio Filippin  
Final grade: 110/110 con lode (with honours)

**MATURITÀ – Liceo delle Scienze Sociali G.B. Vico – Corsico (MI), Italy**  
07/07  
Final grade: 100/100

TEACHING  
EXPERIENCE

**ADJUNCT PROFESSOR** – UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA – MILAN – Academic year 2018/2019  
Classes in MATLAB programming for the master’s degree course “International Economics”.

**TEACHING ASSISTANT** – UNIVERSITÀ CATTOLICA DEL SACRO CUORE DI MILANO – MILAN -ITALY 10/17 – 11/17  
University Tutorials in Macroeconomics for Bachelor students in Economics and Management.

**TEACHING ASSISTANT** – UNIVERSITÀ CATTOLICA DEL SACRO CUORE DI MILANO – MILAN -ITALY 10/16 – 11/16  
University Tutorials in Macroeconomics for Bachelor students in Economics and Management.

CONFERENCES AND  
SEMINARS

- ESCoS International Conference, THE ECONOMY AS A SPATIAL COMPLEX SYSTEM (ESCOS 2018) II CICSE WORKSHOP, Conference’s presentation, Università di Napoli Federico II, 21-22 June 2018
- DEFAP third year seminar, 28 November 2017
- Workshop on Economics and Heterogeneous Interacting Agents (WEHIA) 2017, Conference’s presentation, Università Cattolica del Sacro Cuore di Milano, Milan, 12-14 June 2017
- DEFAP second year seminar, 15 December 2016

FURTHER  
EDUCATION

- MATLAB Deep Learning Onramp, Online course (Mathworks.com), 4 September 2018
- Solution methods for Heterogeneous Agents Models using a Julia Toolkit, CEF 2018 Pre-conference Workshop, Università Cattolica del Sacro Cuore, June 18
- I GAME Summer School, Introduction to Python for Economic Analysis, Universidade de Santiago de Compostela, Santiago de Compostela, 10-14 July 2017
- Understanding Bayesian Networks with Examples in R, Università Cattolica del Sacro Cuore di Milano, Department of Statistical Sciences, Milan, 23-25 January 2017
- LSE Methods Summer Programme, Tools for Macroeconomist: Advanced Tools, London School of Economics – London, 22-26 August 2016
- Workshop on Economics and Heterogeneous Interacting Agents (WEHIA) 2016 Doctoral Summer School, Universitat Jaume I, Castello de la Plana, 20-21 June, 2016
- Competitive Advantage in the Digital Economy Vacation School 2016, University of Warwick – Venice, 28-30 April, 2016
- First Ancona-Milano Summer School on Agent-Based Economic Modelling, Università Politecnica delle Marche - Ancona, 1-5 September 2015
- Statistical Inference by Johns Hopkins University on Coursera. Certificate earned on 3/11/2014
- Reproducible Research by Johns Hopkins University on Coursera. Certificate earned on 29/09/2014
- Exploratory Data Analysis by Johns Hopkins University on Coursera. Certificate earned on 04/08/2014
- Getting and Cleaning Data by Johns Hopkins University on Coursera. Certificate earned on 04/08/2014
- R Programming by Johns Hopkins University on Coursera. Certificate earned on 01/07/2014
- The Data Scientist’s Toolbox by Johns Hopkins University on Coursera. Certificate earned on 02/06/2014

- Social and Economic Networks: Models and Analysis, free offerings course by Matthew Jackson, Stanford University. Certificate earned on 11/03/2014

WORKING PAPERS

*Heterogeneity and Economic Geography: The formation of Spatial Inequality*, Rizzati M. C. P. (2018)  
*Policy with multiple regions, an Agent-based Economic Geography analysis*, Rizzati M.C.P. (2018)

PROFESSIONAL EXPERIENCE

**EUROPEAN COMMISSION**, BLUE BOOK TRAINEE – BRUXELLES- BELGIUM  
 11/14 – 1/15

Administrative traineeship in the European Commission Directorate-General for Economic and Financial Affairs, unit B2 (Structural reforms, competitiveness and innovation).

Collaboration in the development of database for internal use, collaboration on qualitative and econometric policy analysis, redaction of country fiches for internal use. Research assistance provided for the EC institutional paper 31: “State-owned enterprises in the EU: lessons learnt and ways forward in a post-crisis context”.

**EDITOR/RESEARCHER**, SLI VIRTUS ID LTD- CITYHOOK (NOW INDIGO)  
 7/12 – 3/14

Database Editor and Researcher on topics of interest for the start-up firm (Open Data, Smart Cities, and European Transport). Activities: redaction of reports, data entry, data management, desk research.

Cityhook won accelerators support by prestigious names such as NDRC Launchpad and Telefonica’s Wayra.

**COLLABORATOR FOR THE CAPINFOOD PROJECT** – UNIVERSITY OF MILAN – MILAN, ITALY  
 07/13 – 10/13

Revision of the materials for the CAPINFOOD project (full name: Improving the enabling environment and public awareness for innovation in the South-East-European food sector through transnational collaboration).

LANGUAGES

<b>Italian</b>	Mother tongue	<b>English</b>	Fluent (C2)	<b>French</b>	Intermediate (B1)
<b>Portuguese</b>	Intermediate (B1)	<b>German</b>	Basic (A2)		

COMPUTER SKILLS

**Office package:** ECDL full, working experience with spreadsheets including Visual Basic programming.

**Statistical and scientific software:** Proficient with Stata, R, gretl, Maple, MATLAB; Experience with Pajek, NetLogo, MATLAB Object Oriented programming, Python and Julia; Basic knowledge of Eclipse IDE for Java and Wolfram Mathematica.

**Project Management software:** Working experience with Basecamp, Teambox (now Redbooth), Google Drive and Trello.

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**BOOKS** "Bitcoin, l'altra faccia della moneta", edizioni goWare (e-book co-autorship, February 2014)

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**REFERENCES** References available upon request

*Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del D.P.R. 445/2000*