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# DARIO MARINO

## Graduate Student

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## EDUCATION

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### University of Chicago, Chicago, IL USA

*Master's in Computational Social Science (MACSS), September 2024 - June 2026*

Concentration – Economics

### University of Bologna Alma Mater Studiorum

*Bachelor's Degree in Mathematics, September 2023 - June 2024*

Completing 8 courses and exams:

Probability and Mathematical Statistics; Real Analysis (I-II); Numerical Calculus; Stochastic Processes  
Computational Mathematics; Mathematical Logic; Ordinary Differential Equations

### Paris School of Economics (PSE - Ecole d'économie de Paris)

*Master's Degree in Analysis and Policy in Economics, (APE M2), September 2022 - June 2023*

Average Grade: 14/20 [GPA: 3.4; B+]; Thesis Grade: 14/20

Thesis Title: Balanced Innovation: Nonlinear optimal patent breadth in an interaction of demand and technology networks; Supervisor: Francis Bloch

### University of Paris (Université Paris 1), Panthéon Sorbonne

*Master's Degree in Economics (PSME - M1), September 2021 - June 2022*

Average Grade: 16/20 [GPA: 3.7 ; A-]; Thesis Grade: 18/20

Thesis Title: The Overlook Effect of Prices on Productivity and Pay Gap; Supervisor: Carmen Camacho-Perez

### University of Bologna (Università di Bologna) Alma Mater Studiorum

*Bachelor's Degree in Political Science and International Relations, L-36, September 2018 – December 2021*

Average Grade: 110/110 with Honours. [GPA: 4.0 ; A+]

Thesis Title: The Effects of Automation on Labor Market; Supervisor: Antonello Eugenio Scorcu

## RESEARCH EXPERIENCE

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### Structural Change and Global Dynamics

Professors: Alireza Jay Naghavi; Gaetano Alfredo Minerva; Antonio Minniti (University of Bologna)

Research Fellowship, May 2023-May 2024

- Use of WIOD and EXIOBASE 3 input output tables to reconstruct the Co2 emissions of different sectors in the OECD economies.
- Ownership Networks and Trade Analysis of European firms using Moody's Orbis dataset
- Develop models for the simulation of the impact of changes in the size and composition effects of such flows on the capacity of firms and territories to activate innovation dynamics for the transition to Circular Economy and its effect on the intersectoral flows of goods and services across territories.
- Financed with the NextGenerationEU, in collaboration with Bocconi.

### A Generalized Measure of Bargaining Power with an Application to EU Law-Making

Professors: Joseph-Simon Görlach (Bocconi); Nicolas Motz (Universidad Complutense de Madrid)

Research Assistant, November 2022 - March 2023

- Utilized R web scraping of European Parliament Laws both on .html and .json
- Performed Python sentiment analysis to assign to each law its own "European Integration" value

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## TEACHING EXPERIENCE

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### University of Bologna Alma Mater Studiorum

*Teaching Assistant | August 2023-July 2024*

- Econometric Methods for Policy Evaluation-B2015; Master's Degree in Economics and Public Policy Guglielmo Barone (Full Professor); 20 hours; First Semester
- Economics of Competition-96837; Master's Degree in Law and Economics; Emanuela Carbonara (Full Professor) 20 hours; First Semester
- Monetary Policy-93286; Bachelor's Degree in Economics, Markets and Institutions; Antonello Eugenio Scorcu (Full Professor); 20 hours; First Semester

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## ORGANIZATIONAL EXPERIENCE

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### NOISE (Student-run Think Tank)

*Founder | March 2021-June 2022*

- Founded student-run think tank with a focus on national and international macroeconomics issues.
- Collaborate with the Regional Authority Er.Go. for the Right to Higher Education to organize seminars and events.
- Academia.Edu: <https://unibo.academia.edu/NOISEThinkTank>

### Free Beyond Illusions "Liberi oltre le illusioni" (Think Tank & YouTube Series):

*Content Creator, March 2022-Present*

- Main Project: YouTube series on economic growth with Professor Michele Boldrin (WUSTL)
- "Liberi oltre le illusioni" is a movement that aims to pursue the development and use of the scientific method in the study and evaluation of social issues. For this purpose, all available media dissemination technologies are used, from YouTube to social media, non-fiction, the organization of conferences, publishing and blogging. It is one of the most followed think tank in Italy, with more than 70,000 subscribers on Youtube.
- Open Collective: <https://opencollective.com/liberi-oltre2>
- Facebook: <https://www.facebook.com/liberioltreleillusioni/>
- Youtube: <https://www.youtube.com/channel/UCrdeJmK5bgFte04-UF7o29Q>
- First Video: <https://www.youtube.com/watch?v=JZJMR4AJQ-U>

### The Optimizers (Substack Newsletter):

*Content Creator, June 2023-Present*

- <https://theoptimizers.substack.com/>

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## ARTICLES

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**Marino, D.** (Oct 2022). Le politiche attive del lavoro come mancanza italiana nell'ottica del Next Generation EU, *Liberi Oltre Le Illusioni*, <https://bit.ly/3VVmcwq>

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## WORKING PAPERS

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Boldrin, M. (WUSTL) & **Marino, D.** (University of Chicago) (2023). *Local innovation effects on inequality*

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## HONORS & AWARDS

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Er.Go Scholarship September 2018 - July 2021; Crous Scholarship September 2022 - June 2023

Summa Cum Laude Bachelor of Science University of Bologna September 2018 - July 2021

Mention Bien Paris 1 September 2021 - June 2022

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## LANGUAGE SKILLS & CERTIFICATIONS

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English: IELTS Computer Test; Jul 2022, [7.5]; IELTS Paper Test, Gen 2021, [7.5];

French: Course (4 ECTS, University of Bologna) 2021; Course (4 ECTS, Université Paris 1 Panthéon Sorbonne) 2022

GRE: Quantitative: 160 \ Verbal: 159 - September 2022

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## TECHNICAL COMPETENCIES / PROGRAMMING

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- Python [IDE: Spyder] (Specialized)
- R [IDE: RStudio] (Specialized)
- STATA (Specialized)
- LaTeX/Overleaf (Specialized)
- MATLAB (Specialized)
- Microsoft Excel (Specialized)
- SPSS/PSPP (Intermediate)

## REFERENCES

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Francis Bloch: PSE Professor; +33 0180521647; [francis.bloch@psemail.eu](mailto:francis.bloch@psemail.eu)

Olivier Tercieux: PSE Professor; +33 0180521608; [tercieux@pse.ens.fr](mailto:tercieux@pse.ens.fr)

Angelo Secchi: PSE Professor; +33 180521822; [angelo.secchi@univ-paris1.fr](mailto:angelo.secchi@univ-paris1.fr)

Gaetano Alfredo Minerva: University of Bologna; [ga.minerva@unibo.it](mailto:ga.minerva@unibo.it)

Antonio Minniti: University of Bologna; [antonio.minniti@unibo.it](mailto:antonio.minniti@unibo.it)

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