Antonio Ferraro

ID: CA24599AI | **Work permit:** Italian | **Date of birth:** 09/03/1994 |

Place of birth: Rossano, Italy | **Nationality:** Italian | **Gender:** Male | **Email address:**

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EDUCATION AND TRAINING

02/01/2023 – CURRENT Genoa, Italy
PH.D. IN ECONOMICS AND QUANTITATIVE METHODS University of Genoa

The PhD program offers a training on the main economic theories at an advanced level. Emphasis is given to the acquisition of mathematical techniques used in economic theory and of statistical and econometric methods necessary for conducting empirical research. Improving and sharpening students' ability to use advanced software tools for complex calculations and data analysis plays a central role in the design of the programme's structure.

Address Via Francesco Vivaldi, 5, 16126, Genoa, Italy | **Website** www.unige.it/en

09/02/2024 – 07/06/2025 Hangzhou, China
VISITING RESEARCHER Zhejiang International Studies University

I collaborated closely with my supervisor on projects at the intersection of micro-econometrics, household finance, and sustainability. My main responsibilities included cleaning, managing, and analysing large datasets using Stata, R, and Python. I carried out independent micro-econometric analyses and contributed to writing, including literature reviews and drafting empirical sections for publication.

Address 299 Liuhe Road, 310012, Hangzhou, China | **Website** http://gjsxyen.zisu.edu.cn

09/16/2021 – 11/12/2021 Ariano Irpino, Italy
INDUSTRY TRAINING – DATA ANALYST JUNIOR Biogem - Life and Mind Science School

The training covered Python programming, SQL databases, business intelligence and visual analytics, as well as Big Data tools (Spark, Hadoop ecosystem, MongoDB). The program also included modules on Unix systems and teamwork and communication skills.

Address Palazzo Bevere - Via P.S. Mancini, 33, 83031, Ariano Irpino, Italy | **Website** www.uiip.it |

Field of study Database and network design and administration , Software and applications development and analysis

12/14/2018 – 03/24/2021 Milan, Italy
M.SC. IN ECONOMICS AND POLITICAL SCIENCE University of Milan

Highly qualified theoretical and applied knowledge and skills in each of the following fields: mathematics, probability and statistics, with applications to economic, political and social sciences; econometrics; microeconomics; macroeconomics; economic policy; public economics; welfare economics and politics; history of economic analysis; comparative politics, theory of European integration; positive and normative political theory; decision theory; game theory; social and political choice theory; theory of justice.

Address Via Festa del Perdono, 7, 20122, Milan, Italy | **Website** www.unimi.it/en |

Field of study Economics , Political sciences and civics | **Final grade** 101/110

09/22/2015 – 11/22/2018 Turin, Italy
B.SC. IN INTERNATIONAL SCIENCES, DEVELOPMENT AND COOPERATION University of Turin

The degree program is designed to develop professionals with a strong awareness and understanding of the socio-political and economic dynamics that shape the contemporary international landscape. Through the acquisition and continuous application of knowledge in economics, geography, law, political science, sociology, and history—supported by solid language skills—it enables students to grasp the emerging features of a global society, in which individuals, states, international organizations, NGOs, and businesses are preparing to address major challenges and seize new opportunities.

Address Via Giuseppe Verdi, 8, 10124, Turin, Italy │ **Website** www.unito.it │

Field of study Political sciences and civics , Economics │ **Final grade** 106/110

10/01/2017 – 03/01/2018 Hamburg, Germany
EXCHANGE PROGRAM University of Hamburg

Semester abroad focused on European integration, international trade, and advanced language training (German and French).

Address Mittelweg 177, 20148, Hamburg, Germany │ **Website** www.uni-hamburg.de/en

WORK EXPERIENCE

MUTUAL FUNDS ANALYST – INFOSYS BPM – 07/25/2022 – 12/05/2022 – DUBLIN, IRELAND
Address: 3046 – 3050 Lakedrive, Citywest, D24, Dublin, Ireland

My responsibilities included the analysis of investment fund prospectuses in both German and English to identify, extract, and process high-quality financial information for client databases. I was also involved in onboarding support, assisting new team members familiarising with the process, tools, and quality requirements.

APPLICATION DEVELOPMENT ANALYST – ACCENTURE TECHNOLOGY – 12/01/2021 – 06/14/2022 – ROME, ITALY
Address: Via Sciangai, 53, 00144, Rome, Italy

My main duties included maintaining and implementing applications for managing big data workflows using tools such as PyCharm, Ubuntu, IntelliJ, and Scala. I contributed to the development and optimization of data storage systems using Oracle, SQL, Spark, Hadoop, Impala, and Kudu. I was also involved in debugging and enhancing system performance, and supporting integration across applications.

LANGUAGE SKILLS

Mother tongue(s):   **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
GERMAN	B2	B2	B2	B2	B2
FRENCH	B1	B2	A2	A2	B1

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

WORKING PAPERS

Inherited Housing, Collateral, and Household Wealth Accumulation

Working Paper, 2025. Authors: Antonio Ferraro

Link https://ferraroantonio.github.io/assets/JMP_Ferraro.pdf

Beyond Consumption: Exploring Productive Borrowing in Household Finance

Working Paper, 2025. Authors: Haoyong Zhou, Antonio Ferraro

From Private Wealth to Patient Capital: Family Offices in Entrepreneurial Finance

Working Paper, 2025. Authors: Emma Li, Haoyong Zhou, Antonio Ferraro

SKILLS

Organisational / Managerial Skills

Communication │ Collaboration │ Public Speaking │ Time Management │ Teamwork │ Stress Management

Computer Skills

Ubuntu │ Bloomberg Terminal │ Elements of Java │ Microsoft Office │ SQL │ Dynare │ GitHub │ PHP │ R │ ETL │ Git │ Unix │ Scala │ Linux │ Stata │ HADOOP │ EViews │ LaTeX │ Spark │ Elements of Python │ Bitbucket

Other Skills

Multidisciplinarity │ Problem-solving │ Internationalism │ Critical-thinking

HOBBIES AND INTERESTS

Sport

Daily physical exercise since a young age.

SUMMER SCHOOLS

06/17/2024 – 06/29/2024
Time Series Models for Macroeconomic Analysis - Barcelona School of Economics

The course provided a variety of models and methods to identify macroeconomic shocks and estimate their propagation mechanisms. In particular, Structural Vector Autoregressive models were covered in detail, with a special focus on several identification schemes used in the literature and also present several extensions. The theoretical methods and the applications studied in class were replicated through Matlab programs.

07/17/2023 – 07/21/2023
Macroeconomic Forecasting and Analysis in the Machine Learning Era - Italian Econometric Association

We surveyed the large body of literature of traditional macroeconomic forecasting, with an accent on the key developments of the 2000s, like factor models and other (linear) big data techniques. Then, we moved on to introduce ML concepts and philosophy, followed by its canonical ancient and modern algorithms. Their application, as well as thorough discussions of when and where they are expected to work, and why, came next. Finally, a significant amount of time was dedicated to recent papers proposing customized ML algorithms for latent states extraction, enhanced interpretability, signal-to-noise ration maximization, density forecasting, and other essential usages in macroeconomic forecasting and empirical macro analysis.

06/19/2023 – 06/30/2023
Explainable Machine Learning - Universidad Politécnica de Madrid

Intensive course providing attendees with an introduction to the theoretical foundations as well as the practical applications of some of the machine learning methods and the modern statistical analysis techniques currently in use. The goal of the summer school is to complement the technical background of attendees in the field of data analysis and modelling.

02/24/2023 – 03/31/2023
Empirical Industrial Organisation - University of East Anglia

The module provided a working knowledge of various empirical methods – with special applications to industrial organisation and competition policy. The main econometric parts consisted of linear multivariate regression analysis, nonlinear models, panel data models, identification of causal effects. The econometric methods were used to estimate market conduct, firm entry and exit, merger simulations and demand system estimation on the statistical package Stata.

Intensive course exploring the economic and technological foundations of blockchain systems, their incentive structures, and policy implications. Included lectures by academic and industry experts and practical sessions on leading platforms such as Cardano, Hedera, Ethereum, and Polygon.