

# FEDERICO ARLATI

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## RESEARCH INTERESTS

Labor Economics; Economics of Education; Applied Microeconomics

## EDUCATION

**Bocconi University, Milano, Italy**

Sep 2022 - Apr 2025

*MSc in Economic and Social Sciences (ESS), 110/110 cum laude*

- Dissertation: “The Impact of Technological Change on College Enrollment, Completion, and Field of Study”. **Advisor: Prof. Massimo Anelli**
- Relevant Coursework: Advanced Mathematics (real analysis, static and dynamic optimization, topology, measure theory), Advanced Statistics (sufficient, ancillary and complete statistics; point estimation; hypothesis testing; asymptotic properties), Advanced Econometrics (parametric and non-parametric, machine learning for causal inference), Bayesian Statistics, Microeometrics

**Tilburg University, Tilburg, The Netherlands**

Aug 2023 - Jan 2024

*Exchange Program*

- Relevant Coursework: Game Theory, Behavioral Economics

**Bocconi University, Milano, Italy**

Sep 2019 - Oct 2022

*BSc in International Economics and Finance, 110/110 cum laude*

- Dissertation: “The Social and Institutional Contributors to Poverty Alleviation”. **Advisor: Prof. Massimo Anelli**
- Relevant Coursework: Mathematics (Linear Algebra, Probability Theory, Multivariate Calculus), Econometrics, Monetary Theory, Development Economics, Corporate Finance, Computer Science (Python), Public Finance

**Cornell University, Ithaca, NY, USA**

Jan 2022 - May 2022

*Exchange Program*

- Relevant Coursework: Intermediate Macroeconomic Theory (A+), Business Law (A+), Development Economics (A)

## AWARDS & SCHOLARSHIPS

**Bocconi Graduate Merit Award**

Full tuition and fees waiver awarded for academic excellence (MSc).

**ISU Bocconi Scholarship**

Scholarship covering full tuition and fees (BSc).

## RESEARCH EXPERIENCE

**Bocconi University - IGIER, Prof. Julien Sauvagnat**

July 2025 - ongoing

*Predoctoral Researcher*

- **Automation, AI, and Firm Dynamics in France:** Constructing a large-scale longitudinal matched employer-employee database using French administrative data (DADS, FARE, LIFI) to analyze the impact of automation and AI on workforce composition and firm performance. Implemented an algorithm to link job spells across years, creating a pseudo-panel despite missing identifiers (achieving a >90% match rate).

- “*Gender inequality over the life cycle, information provision and policy preferences*” (with J. Schuetz, S. Uebelmesser): Applied Natural Language Processing (NLP) techniques (NLTK, spaCy) to tokenize and classify open-ended survey responses, visualizing semantic trends related to discrimination and the motherhood penalty.
- “*Shall I Trust You? Diversity, Trust, and Cheating Behavior in School Children*” (with S. Ghisolfi, G. Marcolongo, C. Serra): Implemented an RCT to study how diversity influences aspirations, trust, and honesty in children (aged 11-13). Acted as **Project Manager**, overseeing school recruitment and data collection logistics in Milan. Designed a Python-based web scraper (Selenium, BeautifulSoup) to collect institutional data and integrated it with the experimental data. Additionally, served as an enumerator.
- “*Trust in a Diverse World: Exploring the Role of Gender, Disability, and Ethnicity*” (with N. Balbo, C. Serra): Conducted the pilot phase of the behavioral experiment, performed balance tests and descriptive analysis in Stata to identify behavioral patterns across treatments involving diverse partners.

**CUORA Consulting (Student Association),**  
*Head of Internal Research*

Dec 2021 - Sep 2023

- Founded the internal research division and designed surveys to collect project-specific data from clients, applying elementary econometric methods to measure social impact.

## Programming and Language Skills

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**Languages** Italian (Native); English (Fluent - TOEFL iBT 115/120);  
German (Intermediate - B1); French (Intermediate - B1)

**IT Skills** Stata (Advanced); R (Advanced); Python (Advanced - Data Collection & Analysis);  
L<sup>A</sup>T<sub>E</sub>X(Advanced); Qualtrics (Advanced)