

# Pietro Lesci

pietrolesci@outlook.com

## RESEARCH EXPERIENCE

### UNIVERSITY OF CAMBRIDGE | PHD STUDENT

October 2021 – present | Cambridge, UK

- PhD in Computer Science with Prof Andreas Vlachos
- Themes: few-shots learning for Natural Language Processing via meta-learning and active learning

### BOCCONI UNIVERSITY | RESEARCH ASSISTANT, DMI AT BIDSA

August 2019 – March 2020 | Milan, IT

- Member of the Data and Marketing Insights research unit with Prof Dirk Hovy working on Natural Language Processing
- Identification of echo chambers and online abuse for Twitter
- Development of machine learning web-apps: *Wordify* and *MACE*

## INDUSTRY EXPERIENCE

### BAIN & COMPANY | SENIOR ASSOCIATE, DATA SCIENCE

March 2020 – October 2021 | Milan, IT

- Data-driven quality assurance (industry: mining)
- Pricing optimization (industry: packaging machines)
- Predictive maintenance in hydropower plants (industry: energy)
- Client segmentation (industry: road tolls and telco)
- Development of an internal Python library for NLP
- Deployment of NLP end-to-end solutions for product categorization

### HDM GROUP | EXTERNAL DATA SCIENCE CONSULTANT

January 2020 – February 2020 | Pavia, IT

- Development of a time-sheet management tool (energy)

### EUROPEAN CENTRAL BANK | DATA SCIENCE TRAINEE

February 2018 – November 2018 | Frankfurt am Main, DE

- Data quality management of the private and public sector granular master data for the Directorate of General Statistics
- Database reconciliation: lead of the RIAD-GLEIF project
- Selected member of the RIAD-AnaCredit task force with experts from the National Central Banks and the financial sector
- Speaker during regular plenary meetings with experts from the National Central Banks (reserved only to a restricted group of trainees)
- Automation of a data ingestion and deduplication procedure (80% efficiency gain) used in the computation of the Euro Short-Term rate
- Development of automated internal reports and dashboards
- Production of statistical reports published on the ECB website

## EXTRACURRICULAR PROJECTS

- Enrolled in the BSc in Jazz, GPA 29.7/30; Classical Piano (12 years); Bass Guitar (10 years); Sol-Fa degree and Piano 5th year diploma
- Volunteering at Associazione "Il Sorriso" ONLUS
- Organist and Choir Director
- Singer, bassist, and arranger in jazz ensembles and a rock trio

## EDUCATION

### BOCCONI UNIVERSITY

MSc ECONOMIC AND SOCIAL SCIENCES

Sept 2016 – Mar 2019 | Milan, IT

- Grade: 104/110
- Dissertations: *Deep Learning: A Statistical Perspective*

### UNIVERSITA' CATTOLICA DEL SACRO CUORE

BSc ECONOMICS AND MANAGEMENT

Sept 2013 – Sept 2016 | Milan, IT

- Grade: 110/110 summa cum laude
- Dissertations: *Market Sentiment and Monetary Policy*

### LICEO SCIENTIFICO "E. MATTEI"

SCIENTIFIC HIGH SCHOOL DIPLOMA

Sept 2008 – July 2013 | Castrovillari, IT

- Grade: 95/100

## COURSEWORK

M2L Summer School, Milan 2020

### GRADUATE

Bayesian statistical methods

Econometrics

Time-series analysis

### UNDERGRADUATE

Macro- and Micro-economics

Algebra & Calculus

## SKILLS

### LANGUAGES

Italian English (fluent) French (basic)

### PROGRAMMING

Python R Julia SQL Rust  $\text{\LaTeX}$

### TECHNOLOGIES

Docker Linux Git/Github  
SAP BO Tableau Postgre/MSSQL  
Alteryx Github Actions MS Office

## LINKS

**GitHub:** [github.com/pietrolesci](https://github.com/pietrolesci)

**LinkedIn:** [linkedin.com/pietrolesci](https://www.linkedin.com/pietrolesci)

**Personal Page:** [pietrolesci.com](https://pietrolesci.com)