

Pietro Lesci

pietrolesci@outlook.com

RESEARCH EXPERIENCE

UNIVERSITY OF CAMBRIDGE | PHD STUDENT

October 2021 – present | Cambridge, UK

- Working with Prof Andreas Vlachos on compute- and data-efficient approaches for NLP (*keywords: active learning, data subset selection, machine teaching, meta-learning*)

BOCCONI UNIVERSITY BIDSA | RESEARCH ASSISTANT

August 2019 – March 2020 | Milan, IT

- Working with Prof Dirk Hovy on the identification of echo chambers and online abuse on Twitter
- Development of machine learning web-apps: *Wordify* and *MACE*

INDUSTRY EXPERIENCE

AMAZON AWS AI LABS | APPLIED SCIENTIST INTERN

September 2022 – January 2023 | Barcelona, ES

- Working with Lluís Marquez on efficient dialogue state tracking with large language models

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

EUROPEAN CENTRAL BANK | DATA SCIENCE TRAINEE

February 2018 – November 2018 | Frankfurt am Main, DE

- Data quality management of 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 de-duplication procedure (80% efficiency gain) used in the computation of the Euro Short-Term rate
- Development of automated internal reports and dashboards
- Production of official 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
- 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

Bayesian statistical methods

Advanced Statistics

Econometrics

Time-series analysis

Advanced Macro- and Micro-economics

Algebra & Calculus

SKILLS

LANGUAGES

Italian English (fluent) French (basic)

PROGRAMMING

Python R Julia SQL Rust \LaTeX

TECHNOLOGIES

Docker Linux Git
SAP BO Tableau Alteryx

LINKS

Github: github.com/pietrolesci

LinkedIn: linkedin.com/pietrolesci

Personal Page: pietrolesci.com