Pietro Lesci

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RESEARCH EXPERIENCE

UNIVERSITY OF CAMBRIDGE | PhD student
October 2021 – present | Cambridge, UK
- PhD in Computer Science with Prof Andreas Vlachos. I am currently interested in parameter- and data-efficient fine-tuning of large language models (*keywords: few-shot learning, meta-learning, 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   LaTeX

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

LINKS

Github: github.com/pietrolesci
LinkedIn: linkedin.com/pietrolesci
Personal Page: pietrolesci.com