GIACOMO BUGLI

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EDUCATION

New York University (NYU) New York City, USA - 2023	Enrolled in the second year of the Master of Science program in **Data Science**, relevant coursework: **Linear Algebra and Optimization, Machine Learning, Natural Language Processing** (current GPA 4.0)
Bocconi University Milan, Italy – Jul 2021	Graduated with Laude in the bachelor's degree in Economics, Management and Computer Science (BEMACS), relevant coursework: **Machine Learning**, **Applied Mathematics**, **Computer Programming**, **Advanced Statistics** (Final grade **110 cum Laude**/110)

EXPERIENCE & PROJECTS

Indeed Summer Intern May – Aug 2022	Selected as **Data Scientist** in the Hired Signal Team of Indeed, at the cutting edge for what concerns the company's efforts to determine user hires (indirect feedback). Responsible for: - Data retrieving and cleaning - Feature engineering - Modelling and evaluation - Creating new solutions to team's longstanding problems - Presenting my model to team manager and interns
Barclays' Summer Intern Jul – Aug 2020	Selected to participate as a **Technology Analyst** in the Operational Intelligence team, responsible for the monitoring of the whole bank's IT Infrastructure. Studied the monitoring tools of the bank and created alerts in Java Script to determine when the flow of data stopped/delayed
Capstone Project - Zillow Sep – Dec 2022	**Neural Re-ranking for Personalized Home Search** Implemented context-aware personalized re-ranking for home search by adopting a **self-attention based neural architecture**. - Took care of the whole pipeline, from data pre-processing to baselines and neural network implementation - Obtained significant lift on NDCG@10: 2% with respect to Zillow ranking model, and 10% with respect to the proposed baselines

IT SKILLS

Python	**Advanced knowledge** of **Python** programming language and its data science stack (Pandas, NumPy, SciPy, Sklearn, PyTorch, TensorFlow)
SQL, **R**	**Very Good knowledge** of the two programming languages, self-taught through online courses
Spark, **Hadoop**	Good knowledge of the two large-scale distributed processing frameworks
Office Suite	**Excellent knowledge** of the main programs of the Microsoft Office package (Word, Excel, PowerPoint)

LANGUAGE SKILLS

Italian	Native Speaker
English	**Fluent** (**IELTS** Academic: **Band 8**; C1)
Spanish	Limited Working Proficiency (B1)

AWARDS & ACTIVITIES

Nova 111 Student List	Included in the Nova 111 Student List Italy for the category **Mathematics, Physics and Chemistry**, awarding the **top 10 Italian students** in 11 categories who already had unique achievements and show the potential to have a significant positive impact in the future.
University Association	**Co-Founder** of the student association **BSDS** (Bocconi Students for **Data Science**) with 200+ associates

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