ANDREA BRIGLIADORI

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GENERAL INFORMATION

Surname   Brigliadori
Name   Andrea
Gender   Male

Place of birth   Rimini, Italy
Date of birth   09/28/2002

Address   1236, Provinciale Uso Street
City   Santarcangelo di Romagna (RN)
Mobile number   (+39)3317115748
Personal email   andribrigli@gmail.com

Citizenship   Italian and San Marinese

EDUCATION

University College London   London, United Kingdom
MSc in ARTIFICIAL INTELLIGENCE FOR BIOMEDICINE AND HEALTHCARE   September 2024 - Present

Bocconi University   Milan, Italy
BACHELOR in MATHEMATICAL AND COMPUTING SCIENCES FOR ARTIFICIAL   September 2021 -
INTELLIGENCE   July 2024
Course taught in English.
Course class: L-35, Degrees in Mathematical sciences.
Final GPA: 3.901/4.
Thesis: "Building upon the Hopfield Model: the Statistical Physics of Place Cells", supervised by
Professor Marc Mézard.
Final grade: 110/110 Cum Laude.
Liceo scientifico "Albert Einstein"   Rimini, Italy
High School Diploma GPA: 100/100 cum Laude   September 2016 - June 2021

HONORS AND AWARDS

AI LAB third prize   June 2023
Francesca Buffa, Full Professor at the Department of Computing Sciences, Bocconi University

A group project requiring to employ Data Analysis and Machine Learning algorithms on large datasets with the aim of retrieving information and making predictions on the correlation between genic expression and the condition (hypoxia or normoxia) of breast cancer cells.

Cambridge Assessment IELTS - C1   January 2023
Listening 8.5 Reading 8.0 Writing 7.0 Speaking 7.0 Overall 7.5

National Excellence Honour Roll   June 2021
Registered in the National Excellence Honour Roll (only 3% of italian students).

Cambridge Assessment CAE - C1 Level   February 2021
Overall Score 197

WORK EXPERIENCE

UCL MedTech Society   London, United Kingdom
Member   September 2024 - Present

Bocconi AI & Neuroscience Student Association   Milan, Italy
Associate   February 2023 - September 2024

Mine Crime   Milan, Italy
Data Analyst   June 2023 - September 2023

This experience allowed me to contribute to the forefront of AI-driven risk analysis, as an intern at Mine Crime. Specifically, my position involved managing large datasets and implementing on them machine learning models,

pursuing the achievement of a detailed analysis and prediction of risk scores for cells of dimension 300m x 300m covering the territory of all italian cities.

Santarcangelo Mare Srl   Santarcangelo di Romagna (RN)
Waiter   June 2022 - August 2022

During this working period I've learnt the abilities required for the profession of the waiter.
Day after day I've had the opportunity to improve my capacities of interacting with clients, to strengthen my ability of managing with lucidity tense situations and to work in team in a coordinate and efficient way.

EXPERIENCE ABROAD

Boston College   Boston, Massachusetts
Student   Spring Semester 2024

I have been selected as an Exchange student at Boston College. I spent here the 2024 Spring Semester attending courses related to "Machine Learning and Artificial Intelligence", "Mathematical Modelling for Neuroscience" and "Stochastic Processes and Simulation in Natural Sciences". GPA: 4/4.

Embassy Docklands   London, England
Student   July 2019 - July 2019

In-depth study of the English language.

Arklow summer camp   Arklow, Ireland
Student   June 2017 - July 2017

In-depth study of the English language.

OTHER EXPERIENCES

Boston College   Boston, Massachusetts
Student   Spring Semester 2024

Realization of the 'Protein-Aptamer Ranking Project' for the course 'Machine Learning Project' taught by José Bento Ayres Pereira. The paper applies several Machine Learning algorithms with the objective of ranking the affinity of protein-aptamer complexes

MIT   Boston, Massachusetts
Student   January 2024

I participated in the 'IAP 2024: Expanding Horizons in Computing - Deep Learning Bootcamp'. Offered by MIT Schwarzman College of Computing, this was an opportunity to discuss in detail the recent developments, techniques and applications of deep learning algorithms.

Boston College   Boston, Massachusetts
Student   Spring Semester 2024

Realization of the paper 'Image Reconstruction from fMRI Data' for the course 'Biomedical Image Analysis' taught by Professor Donglai Wei. The research aimed to decode fMRI signals to reconstruct the images that generated them, employing a combination of VDVAE, CLIP, and Versatile Diffusion models. Code and description are available at https://github.com/Bevingta/fMRI-to-images.

SDA Bocconi   Milan, Italy
Student   December 2023

After my presentation for the course "Computational Applications in Management" I was welcomed in SDA Bocconi, where I could assist to the presentation of my Professor's research.

National program "Biologia Curvatura Biomedica"   Rimini, Italy
Student   September 2018 - June 2021

Promoted by "Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR)", it consisted in a three years long advanced course in Biology and Biomedical Applications.

Seminar "La lingua dell'odio e del mito del superuomo. Pratiche e linguaggi di violenza totalitaria nella Germania nazista e nell'Italia fascista"   Rimini, Italy
October 2019 -
Student   February 2020

The seminar aimed to raise awareness about the historical facts of the Second World War, with a particular attention to the philosophical ideas and technological developments of that period.

Gene expression: decoding and interpreting the instructions of human genome   Bologna, Italy
Student   February 2020

This experience offered the opportunity to find a practical application to my studies on genes and genome interpretation in the laboratory of Bologna University.

From honor killing to gender-based violence   Rimini, Italy
Student   May 2019

Promoted by Mondo Donna ONLUS, this seminar aimed to increase students' awareness about the current situation of gender-based discriminations.

LANGUAGE SKILLS

Italian   Native speaker
English   Professional working proficiency
French   Upper-intermediate

IT SKILLS

Good knowledge of operating systems (Windows, iOS, Android) and of common programs (e.g. Office).

Good knowledge of different programming languages, in particular Python, C++ and R.

Good knowledge of optimization algorithms and machine learning models.

EXTRA ACTIVITIES

AGESCI - Gruppo Santarcangelo 1   Santarcangelo di Romagna (RN), Italy
Volunteer   September 2010 - January 2023

As volunteers, we are involved in actions for children's education, for the protection of the environment and for civil defense.

ADDITIONAL INFORMATION

I am devoting myself to the study of applied mathematics and computer sciences in Bocconi, sure that these disciplines can make me more aware of modern reality and help me actively participate in the transition period we're living.

I'm deeply interested in the study of science that, in the name of innovation, gives substance to human curiosity.