

ANDREA LAZZARI

M.Sc. in Physics of Data

Strong work ethic, eagerness to learn and target-driven approach

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📍 Milan, Italy

in Andrea Lazzari

🔗 Personal Portfolio

📁 Projects Code Repository

WORK EXPERIENCE

Associate Analyst - Applied Intelligence & Quantum

Accenture SpA - Internship

📅 March 2023 - Sept 2023

📍 Milano

PMO and Research about Quantum Computing for Financial Services applications with Intesa Sanpaolo

Data Science Analyst - Applied Intelligence & Quantum

Accenture SpA

📅 Sept 2023 - Present

📍 Milano

PMO and Research about Quantum Computing for Financial Services applications with Intesa Sanpaolo

EDUCATION

M.Sc. in Physics of Data

Università degli Studi di Padova

📅 Sept 2021 - Sept 2023

📍 Padova

Final Grade: 110/110 cum laude

B.Sc. in Physics

Università degli Studi di Milano

📅 Sept 2016 - April 2021

📍 Milano

Final Grade: 97/110

THESIS WORK



B.Sc. Final work: *Analisi del Perceptron e delle sua Espressività nella Classificazione di Dati Strutturati*

Theoretical Background, Simulation with Linear Programming.

Thesis Supervisor: Prof. Marco Gherardi



M.Sc. Final work: *Programming a Gate-based Quantum Computer: a Comparative Analysis of the Software Development Kits for Circuit Design Automation*

Comparison of some of the main SDKs for gate-based Quantum Computing.

Thesis Supervisors: Prof. Simone Montangero and Dr. Davide Corbelleto

COMPETENCES

Technical Skills

Windows

Linux

MS Office

LaTeX

Shell Scripting

Spark

Dask

Docker

Jupyter Notebook

Python

● ● ● ● ● ● ● ●

R

C++

MySQL

● ● ● ● ● ● ● ●

Wolfram Mathematica

● ● ● ● ● ● ● ●

VHDL

● ● ● ● ● ● ● ●

LANGUAGES

Italian

● ● ● ● ● ● ● ●

Native Speaker

English

● ● ● ● ● ● ● ●

Proficiency Level

Spanish

● ● ● ● ● ● ● ●

Elementary Level

SOCIAL COMMITMENT



Caritas Volunteer

ImpaniAmoci project

AWARDS



UPS James E. Casey Scholarship

Based on merit and social commitment - Years: 2016 - 2019

INTERESTS



Coding

Data Analysis & Simulations



Technology

Computers & Smartphones



Enthusiast

Cars, Cinema and Music

PUBLICATIONS



A scale-invariant log-normal droplet size distribution below the critical concentration for protein phase separation

T. Amico, S. Dada, A. Lazzari, A. Trovato, M. Vendruscolo, M. Fuxreiter, A. Maritan

<https://elifesciences.org/reviewed-preprints/94214>

PROJECTS



Köln Traffic Regulator with Parallel Computing

Teamwork started from a project jointly developed by IBM and the German city of Köln thought to be a first step towards traffic regulation and an efficient exploitation of transport's resources

Developed with Python and Dask



Automatic Bone Age Assessment: a Deep-Learning Approach

Team project, where the goal was to develop a Convolutional Neural Network to automatically estimate the bone age of a child from a radiograph

Developed with Python and Tensorflow



Beyond Backpropagation: a Bio-inspired Learning Rule

Analyzing the literature, in this team project we implemented a local learning rule for Neural Networks based on biological human brain mechanisms

Developed with Python

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