

ALESSANDRO BAIOCCHI

Born on 23/10/1997 Rome
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EDUCATION

'La Sapienza' - University of Rome

PhD in **Data Science**

November 2022 - Ongoing

During the PhD program i deepened my understanding of deep neural netowrks. Currently working on GNN, Transformers and Point Clouds.

Advisor: Simone Scardapane

'La Sapienza' - University of Rome

M. Sc. in **Theoretical Physics**

September 2019 - October 2022

During the Master's thesis project I developed a deep learning algorithm based on DGCNNs with the intent of pairing solid tridimensional pieces. The developing of this model is part of a project in collaboration with "Parco Archeologico del Colosseo" aimed at reconstructing a broken ancient statue.

Final Dissertation: 'Reconstruction of 3D solid objects using deep learning'

Advisors: Prof. Stefano Giagu and Dott. Marco Serra

Final grade: 110/110

Core Courses: Statistical Mechanics of Disordered Systems, Deep Learning and Applied Artificial Intelligence

'La Sapienza' - University of Rome

B. Sc. in **Physics**

September 2016 - October 2019

Final Dissertation: 'Numerical simulation of the bidimensional Ising model'

Advisor: Prof. Luca Leuzzi

Final grade: 108/110

WORK EXPERIENCES

Electronics laboratory assistant at 'La Sapienza' - University of Rome

March 2020 - December 2020

- I assisted the professor during the coding lectures of the third year course "Machine Learning"
- I helped students at their third year of Physics studies to perform correctly their lab experiences for the course 'Laboratorio di Segnali e Sistemi'.

COMPUTER SKILLS

- **Python and PyTorch, C and C++**
- **LaTeX, Blender and Microsoft Office**

LANGUAGES

- **Italian** (native)
- **English**, First certificate (B2)