

Mattia D'Urso

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Experiences

Mar 2022 – **Infineon Technologies AG**, *Deep Learning Engineer*

- Nov 2022
- Developed a predictive maintenance system based on **time series** and **deep learning**.
 - Used SQL, Python, Pandas, PyTorch, Numpy, Matplotlib.
 - Tested the system on C-MAPSS dataset achieving state of the art results and reported [here](#).

Jul 2020 – **University of Udine**, *Deep Learning Researcher Intern*

- Sep 2020
- Developed and optimized a **deep learning** model for the de-anonymization of web users.
 - Used a dataset of 6M+ of TCP/IP packets belonging to 150+ users with final accuracy of 70%.
 - First DL attempt of the laboratory. The code is available [here](#).

Education

Oct 2020 – Master of Science in **Computer Science, major in Machine Learning**

- Dec 2022 between *University of Udine (Italy)* and *Alpen-Adria-Universität of Klagenfurt (Austria)*.
- **Relevant courses:** Foundation of Neural Networks, Fundamentals of Image Processing, Deep Learning, Computer Vision, Advanced Data Science, Applied Statistics and Data Analysis.
 - **Final grade:** 109/110 - 1st Class of Honours (UK eq.)

Oct 2017 – Bachelor of Science in **Computer Science**

Oct 2020 at *University of Udine (Italy)*.

Projects

Deep Learning, *Laboratory course*

Implementation of Neural Networks models for Image classification, Object detection, NLP, Time series and Data generation resulting in the top 10% students of the course.

Computer Vision, *Super Resolution State-of-the-Art architectures testing*

Wrote a literature review report on the state-of-the-art super-resolution architectures plus performed several tests on original variations for research purposes. I ranked in the top 5% of students in the course.

Other Experiences and Hobbies

Oct 2018 – **Student representative**

Jun 2021 Reported to the board of department and solved dozens of students problems of any kind.

Jan 2018 – **Professional Photographer**

Feb 2022 Worked as freelance photographer in 200+ corporate events and weddings.

Hobbies: Cooking, Personal finance, Football, Pool 8.