

Carlo Rosso

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Education

Master of Science in Computer Science

UNIVERSITY OF COPENHAGEN

Copenhagen, Denmark

09/2024 - ongoing

- Machine Learning, Online and Reinforcement Learning, Integrative Structural Biology.
- GPA: 2.5

Bachelor of Science in Computer Science

UNIVERSITY OF PADUA

Padua, Italy

09/2021 - 09/2024

- Artificial Intelligence, Software Engineering, Operating Systems, Computer Networks.
- Final Grade: 106/110.

Exchange Student

RØDKILDE GYMNASIUM

Vejle, Denmark

08/2019 - 05/2020

Professional Experience

Machine Learning Intern

UNIVERSITY OF PADUA

Padua (PD), Italy

07/2024 - 08/2024

- Performed **sentiment analysis** on **SST-5 dataset** to examine syntax's role in meaning.
- Achieved **55.2%** accuracy using **kernel methods** with syntactic informations.
- Improved accuracy to **57.3%** with **LLMs (RoBERTa)** with token based representations.

Front Office Assistant

UNIVERSITY OF PADUA

Padua (PD), Italy

08/2023 - 11/2023

- **Managed** a database of **7M+ student records**, ensuring accuracy using **Excel**.
- Assisted students via **in-person** and **email**, delivering efficient front-office support.

Projects

Somebody's Blog!

- **Automated blog** to convert **Markdown to HTML** with **Rust** and **GitHub Actions**.
- **CI/CD pipeline**, ensuring every post deploys blazingly fast—no manual work needed.

Weav

- **Cross-platform app** to discover and advertise social events, for pubs, discos, coffees and young people.
- Engineered a scalable backend using **Python**, **Django**, and **gRPC**.
- Crafted a sleek **cross-platform app** with **TypeScript**, **React Native**, and **Redux**.

Spoken Languages

Italian: Native **English:** Fluent (IELTS 7.5) **Danish:** Learning **Latin:** Reading

Skills

Machine Learning Programming

NLP, Protein Folding, TensorFlow, Scikit-learn, Pandas, Numpy, HuggingFace, PyTorch
Functional Programming, Algorithms, Git, Object-Oriented Programming, Data Structures, Database, Web Development

Programming Languages

Python, Haskell, Rust, Java, C++, C, TypeScript, JavaScript, PHP, Golang, SQL, Html, Typst, LaTeX, Lua, Matlab