

Carlo Rosso

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Education

Master of Science in Computer Science

UNIVERSITY OF COPENHAGEN

Copenhagen, Denmark

09/2024 - ongoing

- Online and Reinforcement Learning, Advanced Programming, 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 whether syntax conveys meaning.
- Achieved **55.2%** accuracy using **kernel methods** with syntactic information.
- 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 and safeguarding privacy.
- 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** as an interface for TypeScript.

Software Skills

Machine Learning NLP, AlphaFold, Torch, Scikit-learn, NumPy, HuggingFace, Pandas

Programming Functional Programming, Algorithms, Git, Object-Oriented Programming, Database, Data Structures, Web Development

Languages Python, Rust, Haskell, C/C++, Java, TypeScript, Golang, SQL, Lua, LaTeX, Matlab, ...

Spoken Languages

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

Interests

Sports: Judo, Sailing, Skiing **Hobbies:** Open Source, Reading, 3D Modeling, Cooking