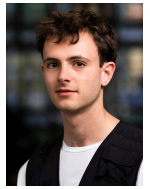


CARLO ROSSO



🌐 Italian 🏠 01/11/2002 📍 Copenhagen, DK

✉ carlorosso02@gmail.com 🏠 danesinoo.github.io 📧 danesinoo 📄 carlo-rosso

Software Skills

Machine Learning: Torch, Scikit-learn, NLP, AlphaFold, NumPy, HuggingFace, Pandas, Polars, Weights & Biases, NLTK

Languages: Python, Rust, Bash, Haskell, C/C++, Java, TypeScript, JavaScript, Golang, SQL, Lua, Matlab, PHP, HTML, CSS, LaTeX, Typst

Programming: Functional Programming, Algorithms, Git, UV, NeoVim, tmux, DataSpell, undotree, Jupyter, Alacritty, Drizzle, Angular, Docker, Node.js, Nest.js, Django, Tailwind

Spoken Languages

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

Interests

Sports: Judo, Sailing, Skiing
Hobbies: Open Source, Reading, 3D Modeling, Journaling, Technology

About me

Hi! I'm Carlo: a Computer Science master student. I am passionate about Artificial Intelligence, Machine Learning and Denmark. I seek to apply ML techniques to solve real-world problems.

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 tree-kernel methods with syntactic data.
- Improved accuracy to **57.3%** with **LLMs** (RoBERTa) w/o syntactic information.

Software Engineer [link](#)

WEAV

Padua (PD), Italy

07/2022 - 08/2023

- Social media to discover and advertise events, pubs, and coffees.
- Engineered a scalable python backend with **Django** in **Docker**.

Education

Master of Science in Computer Science

UNIVERSITY OF COPENHAGEN

Copenhagen, Denmark

09/2024 - ongoing

- Focusing in Machine Learning, and Integrative Structural Biology

Bachelor of Science in Computer Science

UNIVERSITY OF PADUA

Padua, Italy

09/2021 - 09/2024

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

Exchange Student

RØDKILDE GYMNASIUM

Vejle, Denmark

08/2019 - 05/2020

Projects

Easy Meal [link](#)

- Web application to streamline restaurant reservations and orders.
- Implemented the backend in **Node.js** with **Nest.js** and **Drizzle**.
- Implemented the **frontend** in **Angular**: leveraging on the dependency injection.
- Evaluation: **25/30**.

Music vs Robot [link](#)

- Developed tower-defense-style game inspired by *Plants vs Zombies*.
- Implemented in **C++14** with **Qt framework**, automated with **Makefile**.
- Evaluation: **3/3 with honors**.

Somebody's Blog! [link](#)

- Automated blog to convert Markdown to HTML with **Rust** and **GitHub Actions**.
- **Open source** project for personal notes, project management, and journaling.
- Because keeping a daily logbook, while working is incredibly helpful.