Daniele Pace

11-06-1996

CONTACT DETAILS

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https://github.com/danielekp
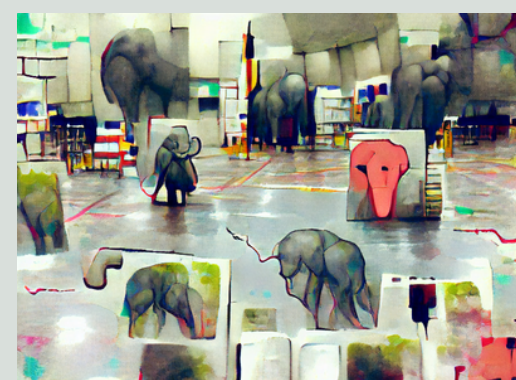
IN MY FREE TIME..

Climbing, hiking, reading, good cinema.

There's no such thing as a "tech person" in the age of AI

SKILLS AND PROJECTS

- Experience in mechanistic interpretability, in particular using SAEs and transcoders (check here for more)
- Trasformative AI knowledge acquired though BlueDot and AI Safety Collab courses
- Experience with Cloud computing, from personal and job projects
- Several years of experience with Deep Learning development, mainly using PyTorch (from MLP, to LLMs, and everything in the middle)
- Rest API, server development with Flask and FastAPI, and React framework. Model deployment with TorchScript
- Model evaluation using tools such as Tensorboard and CometML

WORK EXPERIENCE

AI Engineer II

Stellantis | June 2022-present

- Applied research on prediction for Autonomous Driving. Developed several neural networks architectures for prediction tasks, from the design, to the data collection, till the monitoring. Conducted research projects about improving training dynamics (e.g. new kind of consistency loss, data augmentation, feature importance analysis using captum framework).

Information Technology Developer

Manteia | January 2021-June 2022

- Lead the development of a pipeline for document classification and data extraction, using **NLP** and **Computer Vision**
- Research on the latest advancements in NLP

Fellow AI Engineer

PiCampus - School of AI | November 2021-February 2022

- Scholarship (13000€) for working on an AI Challenge with other two fellows from India and California. The project consisted in the development of a **semantic search system** for papers stored in Apache Solr

ACADEMIC PROFILE

Polytechnic University of Turin

MSc in Computer Engineering | Graduated July 2021

-Graduated with full grade 110/110
-Courses about data science, computer network, database

Aalto University

Exchange studies MSc | August 2019 - January 2021

-Courses about Artificial Intelligence, Computer Vision and Deep learning
-Final master project supervised by Jaakko Lehtinen (NVIDIA) about Human Pose Estimation applied to climbing videos

Polytechnic University of Turin

BSc in Media Engineering | Graduated October 2018

-Graduated with grade 106/110
-Courses about computer network, algorithms, media studies, computer graphics