

Nicolò Vescera

Curriculum Vitae

Education

- 2021–2023 : **Master's degree in Computer Science**, *Università degli Studi di Perugia*, Thesis : A Deep Learning approach for Time Series Imputation on Photovoltaic data.
- 2017–2021 : **Bachelor's degree in Computer Science**, *Università degli Studi di Perugia*, Thesis : Adversarial Machine Learning Attacks vs Android Detection Systems.
- 2012–2017 : **High School diploma in Computer Science and Information Technology**, *I.T.T.S. A. Volta*.

Academic Career

- 2024-11 : **PhD Student @Università degli Studi di Perugia**.
- 2024-04 : **Research Contract @Università degli Studi di Perugia**, *UniNuvola GPU: system configuration and service design*.

Publications

- 2024-06: **An approximation-based approach versus an AI one for the study of CT images of abdominal aorta aneurysms**, *Lucrezia Rinelli, Arianna Travaglini, Nicolò Vescera, Gianluca Vinti*, arXiv, <https://arxiv.org/abs/2406.01764>.

Experiences

- 2024-12: **SOSC 2024**, *Participation SOSC 2024 Sixth International School on Open Science Cloud, Bologna, Italy*.
- 2024-09: **AIxIA Summer School 2024**, *Participation in AIxIA International summer school 2024: Advances in Artificial Intelligence, Como, Italy*.
- 2024-07: **ESSAI & ACAI Summer School 2024**, *Participation in ESSAI & ACAI Summer School 2024 at National Centre for Scientific Research "Demokritos", Athene, Greece*.

Thesis

- Master : A Deep Learning approach for Time Series Imputation on Photovoltaic data. 
- Bachelor : Adversarial Machine Learning Attacks vs Android Detection Systems. 

Internship

- 2023 : **RedLynx**, *Time Series Imputation on Photovoltaic data using a Deep Learning Approach*. (6 months)
- 2021 : **Università degli Studi di Perugia**, *Training and Evaluation of several image classification model architectures based on Deep Learning, tested against basic Adversarial Machine Learning attacks*. (3 months)

Skills

Programming Languages Python (PyTorch, Keras, Tensorflow, Numpy, Pandas, Numba), Golang, Kotlin, Java, Javascript, C

Database PostgreSQL, MariaDB, MySQL

Dev. Technologies docker, kubernetes, git, GitHub (git-flow, github-workflow), networking base knowledge, Linux (debian-based & arch-based distros), Jupyter Lab/Notebooks, advanced CLI usage, Apache Web Server, nginx, openvpn, CUDA

Projects

- 🌀 **Complex Network link prediction**, *A python library for link prediction in social networks*, (Python), Owner.
- 🌀 **KeepReading**, *KeepReading is a Mobile (Android/IOS) Cross-Platform App wrapper for the Keep Talking and Nobody Explodes manual*, (Flutter), Owner.
- 🌀 **LaTeX DevContainer**, *LaTeX development container for Visual Studio Code Remote Containers Development*, (Dockerfile), Maintainer.
- 📦 **Formula SAE @UniPg**, *Dashboard GUI Team & Driverless Team*, (Python, C), Developer.