

Giovanni Santacatterina

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EXPERIENCE

Tutor

Mar 2023 - Jun 2023

University of Trieste

Tutor for the 'Informatics' course of the bachelor's degree in mathematics.

Trainee

Oct 2021 - Jul 2022

PLUS srl, Trieste

Data science for industrial applications.

EDUCATION

PhD Student

Nov 2022 - Present

University of Trieste

Main topic: model-based statistical methods for single-cell data analysis.

Supervised by Giulio Caravagna and Leonardo Egidi.

MSc in Data Science and Scientific Computing

Oct 2020 - Oct 2022

University of Trieste

Curriculum: Artificial Intelligence and Machine Learning

Thesis: Simple models of genomic structural variants through the lenses of deep language models

Final degree: 110/110 cum Laude

MSc in English

BSc in Physics

Sep 2017 - Sep 2020

University of Trento

Thesis: Quantum-Dot Light-emitting-devices for display applications

Voto finale: 106/110

Scuola secondaria di secondo grado

Set 2011 - Lug 2017

Liceo Scientifico 'Nicolò Tron', Schio

Voto finale: 100/100

PUBBLICAZIONI

YOLO-Based Face Mask Detection on Low-End Devices Using Pruning and Quantization

2022

Liberatori B., Mami C.A., Santacatterina G., Zullich M., Pellegrino F.A.

2022 45th Jubilee International Convention on Information, Communication and Electronic Technology (MIPRO)

SKILLS

Programmazione in Python e R

Deep Learning con PyTorch

Stan, linguaggio di programmazione probabilistica

Machine learning e analisi statistica

Usage of HPC clusters

LANGUAGES

English - Cambridge certificate

Listening: C2

Reading: C2

Speaking: C1

Writing: C1