

Gaetano Saurio

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Goal

Aspire to shape a future where AI plays a pivotal role in elevating the quality of life, mitigating inequalities, minimizing our ecological impact, and promoting the widespread appreciation of the arts. Currently pursuing a PhD in Data Science, I like to engage with complex challenges, absorb knowledge, and collaborate with distinguished AI researchers. I aim to contribute substantively to the ongoing evolution of this dynamic field.

Employment History

2016 – 2022 **Tenured computer science teacher**, Italian Ministry of Education.
 2021 **Freelance corporate trainer**, Leonardo.
2018 – 2019 **Big Data developer/consultant**, Rughia & As. for Team System.
2015 – 2018 **Maker-inventor**, Poommarobot.

Education

2022 ··· **Ph.D. in Data Science, Sapienza University of Rome.**
 Proposed thesis title: *Deep Plant Understanding*.
2019 **First-level Profess. Master's Programs, G. Fortunato University** in Edu innovation.
 Thesis title: *The future of School: Artificial Intelligence and Virtual Reality*.
2018 **First-level Profess. Master's Programs, e-campus University** in Edu innovation.
 Thesis title: *Artificial Intelligence and Autism*.
2017 **First-level Profess. Master's Programs, G. Fortunato University** in Edu innovation.
 Thesis title: *New frontiers of educational tools: from IWB to STEM Robotics*.
2015 **M.Sc. in Computer Science, Federico II University of Naples** Robotics.
 Thesis title: *Platform for an Open-Oriented, Multipurpose, Mobile, Approach to ROBOTics*.

Research Publications

Conference Proceedings

- 1 A. Carraro, G. Saurio, A. López-Maestresalas, S. Scardapane, and F. Marinello, “Convolutional neural networks for the detection of esca disease complex in asymptomatic grapevine leaves,” in *International Conference on Image Analysis and Processing*, Springer, 2023, pp. 418–429.
- 2 G. Saurio, M. Muscas, I. Spinelli, V. Rughetti, I. Della Giovampaola, and S. Scardapane, “Archeoweednet: Weed classification in the parco archeologico del colosseo,” in *International Conference on Image Analysis and Processing*, Springer, 2023, pp. 430–441.

Skills

Languages Strong reading, writing and speaking competencies for Italian and English.
Coding Python, C, C++, Java, SQL, XML, \LaTeX , ...

Skills (continued)

Libs...	PyTorch, Keras, Numpy, Pandas, Scikit-learn, Matplotlib, PySpark, Anaconda, Jupyter, ...
HW ...	Smartphone-based robotics, Linux, Android, IoT, Nvidia Jetson Tx2, etc, ...
Misc...	Academic research, teaching, training, consultation, vision, motivation, passion, creativity, innovation, collaboration, flexibility, independence, diversity and inclusion-orientation, openness, ...

Miscellaneous Experience

Certifications and schools

2023	School on GNN and Explainable AI. University of Liverpool (UK). III Mediterranean Machine Learning Summer School. American College of Thessaloniki (Greece).
2022	II Mediterranean Machine Learning Summer School. Bicocca University of Milan (Italy). Deep Learning Specialization. Andrew Ng.
2019	Machine Learning. Stanford with Coursera.

Personal interests

2019...	Macrophylla , guitarist, singer-songwriter.
2010...	Volunteer for refugees, for the environment and animal shelters, ...
2004...	Gardener, traveller, ...

References

Available on Request