

Gianvito Losapio

MASTER STUDENT IN COMPUTER SCIENCE

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"The most intriguing aspect of artificial intelligence is human intelligence."

Research Interests

My research interests are biologically-inspired algorithms, agents based on deep reinforcement learning and computational models of perception and cognition. I am also interested in the design of efficient machine learning algorithms for general applications. I believe that the powerful alliance between machine learning and neuroscience may lead us toward a grand, unified theory of intelligence.

Education

University of Genoa

Genoa, Italy

M.S. IN COMPUTER SCIENCE (DATA SCIENCE AND ENGINEERING - ARTIFICIAL INTELLIGENCE)

Oct. 2019 - Present

- Scholarship holder at Scuola Superiore IANUA (for excellent students)

Polytechnic University of Bari

Bari, Italy

B.S. IN COMPUTER SCIENCE AND AUTOMATION ENGINEERING

Oct. 2016 - Oct. 2019

- Thesis: *Deep learning and object detection techniques for the photo-identification of cetaceans*
- Final mark: 110/110 cum laude

Training

Machine Learning Genoa Center (MaLGa)

Genoa, Italy

MASTER STUDENT

Mar. 2020 - Present

- Machine learning applied to high energy physics experiments at CERN
- Supervisor: Lorenzo Rosasco

National Research Council of Italy (CNR)

Bari, Italy

INTERN

Apr. 2019 - Oct. 2019

- Deep learning and computer vision algorithms for my Bachelor's thesis
- Supervisor: Vito Renò

Publications

- 2020 **Lightweight and efficient convolutional neural networks for recognition of dolphin dorsal fins**
Losapio G., Maglietta R., Politi T., Stella E., Fanizza C., Hartman K., ... & Renò V.

Proc. IMEKO TC-19 International Workshop on Metrology for the Sea, Naples, Italy, October 5-7, 2020.

Combined color semantics and deep learning for the automatic detection of dolphin dorsal fins

Renò, V., Losapio G., Forenza, F., Politi, T., Stella, E., Fanizza, C., ... & Maglietta, R.

Electronics, 9(5), 758

Extras

- 2021 Poster presentation at the **Mediterranean Machine Learning Summer School**. Organizers: DeepMind, Università di Milano-Bicocca, Gruppo Sella, Bending Spoons
- 2020 Selected for the mentorship program at **LeadTheFuture**, a leading mentorship non-profit organization for top-performing italian students in STEM
- 2019 Innovation Team Award, **CIAO hackathon**, *Diving into the electricity market*. Organizers: Camera di Commercio Genova, DigitalTree, AvanaDe, IREN

Genoa, Italy

Skills

Programming

Advanced: Matlab, Python | Moderate: LaTeX, Java

Languages

Italian: native speaker | English: independent user (Cambridge FCE, First Certificate in English)