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

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*
- Studying machine learning methods applied to high energy physics
- Supervisor: Lorenzo Rosasco

National Research Council of Italy (CNR) — *Bari, Italy*

INTERN — *Apr. 2019 - Oct. 2019*
- Worked on 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 Selected for poster presentation at the **Mediterranean Machine Learning Summer School**. Organizers: DeepMind, Università di Milano-Bicocca — *Milan, Italy*

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, **C1A0 hackathon**, *Diving into the electricty 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 First Certificate in English (FCE)