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 computational models of perception and cognition, along with agents based on deep reinforcement learning. 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 can lead ourselves into a larger and more 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*

- Machine learning and computer vision applied to the study of cetaceans
- 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, **C1A0 hackathon**, *Diving into the electricty market*. Organizers: Camera di   *Genoa, Italy*
Commercio Genova, DigitalTree, Avanade, IREN

Skills

Programming   Advanced: Matlab, Python | Moderate: LaTeX, Java

Languages   Italian: native speaker | English: independent user (Cambridge First Certificate in English, Level B2)