

Claudio Greco

Curriculum Vitæ

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Education

- Nov. 2017 - **PhD student in Cognitive and Brain Sciences**, *Center for Mind/Brain Sciences (CIMEC), University of Trento*.
2021 (Expected) Topics: Multimodal learning, Transfer learning, Continual learning.
Supervisor: Raffaella Bernardi.
- Sep. 2014 - **Master's degree in Computer Science**, *University of Bari Aldo Moro*.
Jul. 2017 Full marks with honors (110/110 cum laude).
Thesis on a conversational content-based recommender system based on hierarchical deep reinforcement learning techniques.
Supervisors: Pierpaolo Basile, Giovanni Semeraro.
- Sep. 2008 - **Bachelor's degree in Computer Science**, *University of Bari Aldo Moro*.
May 2014 Full marks with honors (110/110 cum laude).
Thesis on the discovery and tracking of organizational structures in event logs exploiting social network analysis techniques.
Supervisors: Annalisa Appice, Donato Malerba.

Work Experience

- Jun. 2019 - **Research Intern**, *SAP Machine Learning Research*.
Nov. 2019 Worked on Continual Learning and Multimodal Learning.
Supervisors: Moin Nabi, Tassilo Klein.

Teaching Experience

- Nov. 2017 - **Teaching Assistant**, *Computational Linguistics*.
Nov. 2017 Teaching Assistant for the Computational Linguistics course of the M.Sc. degree in Cognitive Science (Lecturer: Raffaella Bernardi), University of Trento.

Summer Schools

- 16 Jul. 2018 - **Transylvanian Machine Learning Summer School**, *Cluj-Napoca, Romania*.
22 Jul. 2018 Focused on Deep Learning and Reinforcement Learning.

Publications

- [1] A. Testoni, C. Greco, T. Bianchi, M. Mazuecos, A. Marcante, L. Benotti, and R. Bernardi. They are not all alike: answering different spatial questions requires different grounding strategies. In *Proceedings of the Third International Workshop on Spatial Language Understanding*, pages 29–38, 2020.
- [2] S. Pezzelle, C. Greco, G. Gandolfi, E. Gualdoni, and R. Bernardi. Be different to be better! a benchmark to leverage the complementarity of language and vision. In *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing: Findings*, pages 2751–2767, 2020.

- [3] C. Greco, A. Testoni, and R. Bernardi. Grounding dialogue history: Strengths and weaknesses of pre-trained transformers. In M. Baldoni and S. bandini, editors, *XIXth International Conference of the Italian Association for Artificial Intelligence, Virtual Event, November 24-27, 2020, Revised and Selected papers, Vol 12414 of LNAI*, Springer Nature Switzerland AG, volume Volume 12414 of LNAI of *AIxIA 2020: Advances in Artificial Intelligence*. Springer Nature Switzerland AG, 2021, 2020.
- [4] C. Greco, B. Plank, R. Fernández, and R. Bernardi. Psycholinguistics meets continual learning: Measuring catastrophic forgetting in visual question answering. In *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*, 2019.

Technical Skills

Programming languages	Python, Java, C, C++, Lua, Matlab, Haskell, Prolog
Frameworks and libraries	PyTorch, Tensorflow, Torch, NumPy, SciPy, scikit-learn, spaCy, NLTK
Operating systems	Linux, MacOS, Windows

Languages

Italian	Native
English	Fluent
French	Basic