


IRENE CANNISTRACI

PhD Student in CS | Visiting Researcher @ Helmholtz Munich

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 Scholar

EDUCATION

Ph.D. in Computer Science <i>Sapienza University of Rome</i> Part of the GLADIA group, advised by prof. Emanuele Rodolà  .	Nov 2020 - Present Rome, Italy
M.Sc. in Computer Science <i>Sapienza University of Rome</i> Grade: 110/110 cum laude	Sep 2018 - Oct 2020 Rome, Italy
B.Sc. in Computer Science <i>Sapienza University of Rome</i>	Sep 2013 - Mar 2017 Rome, Italy

EXPERIENCE

International Research Visit <i>Institute of AI for Health, Helmholtz Munich</i> Part of the AIDOS Lab, led by prof. Bastian Rieck  .	Feb 2024 - Present Munich, Germany
Teaching Assistant <i>LUISS Guido Carli University</i> Lectured and mentored 40+ students for the Data Science in Action MSc course, and designed and implemented the course lab sessions.	Sept 2023 - Present Rome, Italy
Teaching Assistant <i>Sapienza University of Rome</i> Lectured and mentored 80+ students for the Deep Learning and Applied AI  MSc course.	Feb 2023 - Jun 2023 Rome, Italy
Software Developer Engineer <i>NTT Data</i> Developing multiple software for several international customers such as Enel and Telecom.	Jun 2017 - Feb 2019 Rome, Italy

SELECTED PUBLICATIONS



Peer reviewed

- [1] I. Cannistraci, L. Moschella, M. Fumero, V. Maiorca, and E. Rodolà. "From Bricks to Bridges: Product of Invariances to Enhance Latent Space Communication". In: *The Twelfth International Conference on Learning Representations (ICLR 2024, spotlight, top 5%)*. 2024. URL: <https://openreview.net/forum?id=vngVydWft>.
- [2] I. Cannistraci, L. Moschella, V. Maiorca, M. Fumero, A. Norelli, and E. Rodolà. "Bootstrapping Parallel Anchors for Relative Representations". In: *The First Tiny Papers Track at ICLR 2023, Tiny Papers @ ICLR 2023, Kigali, Rwanda, May 5, 2023*. Ed. by K. Maughan, R. Liu, and T. F. Burns. OpenReview.net, 2023. URL: <https://openreview.net/pdf?id=VBuUL2IWlq>.
- [3] D. Crisostomi, I. Cannistraci, L. Moschella, P. Barbiero, M. Ciccone, P. Liò, and E. Rodolà. "From Charts to Atlas: Merging Latent Spaces into One". In: *NeurIPS 2023 Workshop on Symmetry and Geometry in Neural Representations (NeurReps @ NeurIPS 2023)* (2023). URL: <https://arxiv.org/abs/2311.06547>.

Preprints

- [4] I. Cannistraci, M. Fumero, L. Moschella, V. Maiorca, and E. Rodolà. "Infusing invariances in neural representations". In: *Extended Abstract, TAG-ML workshop @ ICML 2023* (2023). URL: <https://openreview.net/pdf?id=mCm4iiNoNc>.



AWARDS

Helmholtz Visiting Researcher Grant <i>Feb 2024</i> Three months fully-funded research stay at the Helmholtz Munich Institute  .
Kickstarting Research Funding <i>Nov 2022</i> Research grant of EUR 1000 for young researchers and Ph.D. students.
Zonta International Scholarship <i>Mar 2022</i> One of the 20 awardees of the Women in Technology Scholarship of USD \$8000  .
B.Sc. Tuition Fees <i>2014-2017</i> Sponsored for academic merits by Sapienza to cover entire B.Sc. tuition fees .



SELECTED TALKS

Unifying Representations by Infusing Invariances in the Latent Space <i>Tübingen AI center</i>	Jun 2022
Communicating between latent spaces with limited semantic correspondence <i>Trento AI Journal Club</i>	Mar 2022
Panelist @ Women in Data Science <i>WiDS Rome Event, Virtual</i>	Jun 2021




PROFESSIONAL ACTIVITIES

 Reviewer IJCNN 2023; Re-Align@ICLR2023; NeurReps, UniReps, New in ML, WiML @NeurIPS2023; ICIAP 2023; ACM TKDD 2021
 Volunteering WiML@NeurIPS2023

ATTENDED

 Conferences NeurIPS 2023, ICML 2023, Lightning DevCon 2022
 Summer Schools EEML 2023, MLSSS 2023, M2L 2022

REFEREES

Prof. Emanuele Rodolà <i>ERC grantee</i>  Sapienza University of Rome  Homepage 
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