

# IRENE CANNISTRACI

## PhD Student in CS | Visiting Researcher @ Helmholtz Munich

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### EDUCATION

- Ph.D. in Computer Science

Nov 2020 - Present

Sapienza University of Rome

Rome, Italy

Part of the GLADIA group, advised by prof. Emanuele Rodolà.
- M.Sc. in Computer Science

Sep 2018 - Oct 2020

Sapienza University of Rome

Rome, Italy

Grade: 110/110 cum laude
- B.Sc. in Computer Science

Sep 2013 - Mar 2017

Sapienza University of Rome

Rome, Italy

### EXPERIENCE

- International Research Visit

Feb 2024 - Present

Institute of AI for Health, Helmholtz Munich

Munich, Germany

Part of the AIDOS Lab, led by prof. Bastian Rieck.
- Teaching Assistant

Sept 2023 - Present

LUISS Guido Carli University

Rome, Italy

Lectured and mentored 40+ students for the Data Science in Action MSc course, and designed and implemented the course lab sessions.
- Teaching Assistant

Feb 2023 - Jun 2023

Sapienza University of Rome

Rome, Italy

Lectured and mentored 80+ students for the Deep Learning and Applied AI MSc course.
- Software Developer Engineer

Jun 2017 - Feb 2019

NTT Data

Rome, Italy

Developing multiple software for several international customers such as Enel and Telecom.

### 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

Feb 2024

Three months fully-funded research stay at the Helmholtz Munich Institute.
- Kickstarting Research Funding

Nov 2022

Research grant of EUR 1000 for young researchers and Ph.D. students.
- Zonta International Scholarship

Mar 2022

One of the 20 awardees of the Women in Technology Scholarship of USD \$8000.
- B.Sc. Tuition Fees

2014-2017

Sponsored for academic merits by Sapienza to cover entire B.Sc. tuition fees.

### SELECTED TALKS

- Unifying Representations by Infusing Invariances in the Latent Space

Tübingen AI center

Jun 2022
- Communicating between latent spaces with limited semantic correspondence

Trento AI Journal Club

Mar 2022
- Panelist @ Women in Data Science

WiDS Rome Event, Virtual

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

### IN-PERSON ATTENDED

- Conferences

NeurIPS 2023, ICML 2023, Lightning DevCon 2022
- Summer Schools

EEML 2023, MLSSS 2023, M2L 2022

### REFEREES

- Prof. Emanuele Rodolà ERC grantee

Sapienza University of Rome

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