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*

Lecturered 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=vngVydDWft`.

[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

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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