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

G-Research Grant for PhD Students
Feb 2024
Research grant of **£2,000** for PhD students and postdocs in quantitative fields ⬈

Helmholtz Visiting Researcher Grant
Feb 2024
Three months **fully-funded research stay** at the Helmholtz Munich (Apr-Jun) ⬈

Kickstarting Research Funding
Nov 2022
Research grant of **€1,000** for young researchers and Ph.D. students

Zonta International Scholarship
Mar 2022
One of the 20 awardees of the Women in Technology Scholarship of **US$8,000** ⬈

B.Sc. Tuition Fees
2014-2017
Sponsored for academic merits by Sapienza to cover **entire B.Sc. tuition fees**

SELECTED TALKS

From Bricks to Bridges: Product of Invariances to Enhance Latent Space Communication
Helmholtz Munich   Feb 2024

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

REFEREES

Prof. Emanuele Rodolà *ERC grantee*
♀ Sapienza University of Rome
🌐 Homepage ⬈