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
Jun 2022
Tübingen AI center
Tübingen, Germany

Communicating between latent spaces with limited semantic correspondence
Mar 2022
Trento AI Journal Club
Trento, Italy

Panelist for Women in Data Science (WIDS) Rome Event
Jun 2021
Virtual

PROFESSIONAL ACTIVITIES

🏛 **Conferences Reviewer**
IJCNN (2023), ICIAP (2023)

📕 **Journals Reviewer**
ACM TKDD (2021)

🏛 **Workshops Reviewer**
Re-Align (@ICLR2023); NeurReps, UniReps, New in ML, WiML (@NeurIPS2023)

👥 **Volunteering**
WiML (@NeurIPS2023)

REFEREES

Prof. Emanuele Rodolà
📍 Sapienza University of Rome
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