

Daide Marincione

LLMs, music generation, research featured at [ICML](#)
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Education

Ph.D in Computer Science at Sapienza University of Rome Supervisor: Prof. Emanuele Rodolà	2025/11 - Present <i>Rome, Italy</i>
M.Sc. in Computer Science at Sapienza University of Rome 110/110 <i>cum laude</i> GPA: 30.5 /31	2023/09 - 2025/07 <i>Rome, Italy</i>
B.Sc. in Applied Computer Science and AI at Sapienza University of Rome 110/110 <i>cum laude</i> GPA: 30.3 /31	2020/09 - 2023/07 <i>Rome, Italy</i>
Scientific High School Diploma at I.S. "Piazza della Resistenza" 100/100	2015/09 - 2020/07 <i>Monterotondo, Italy</i>

Experience

Research Intern at GLADIA, Sapienza University of Rome <ul style="list-style-type: none">• Opened a new research line on waveform-based loopable music generation.• Surpassed baseline models on hearing tests by 70% with input-space augmentation on MAGNeT, a non-autoregressive music transformer.	2024/12 - 2025/03 <i>Rome, Italy</i>
Research Intern, M.Sc. curricular activity at PINLab, Sapienza University of Rome <ul style="list-style-type: none">• Improved SOTA up-to 50% on pedestrian trajectory forecasting by hacking UniTs.	2024/03 - 2024/12 <i>Rome, Italy</i>
Student Collaborator, IT support at Sapienza University of Rome	2024/04 - 2024/12 <i>Rome, Italy</i>
Student Collaborator, study on students with "learning debts" at Sapienza University of Rome	2023/12 - 2024/01 <i>Rome, Italy</i>
Research Intern, B.Sc. honours programme at VisionLab, Sapienza University of Rome <ul style="list-style-type: none">• Improved FID of extremely-low parameter count (\sim 3M) models by 20% on facial photo inpainting.	2022/03 - 2023/01 <i>Rome, Italy</i>

Honours and Scholarships

Tuition Reduction for Meritorious Students by Sapienza University of Rome	2021 - 2025 <i>Rome, Italy</i>
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- Awarded for completing the previous year in the top **15%** of the class.
- First place winner throughout both Bachelor’s and Master’s degrees.

Lodging Scholarship, BOOST’24

by ELICSIR

2024/08

Bologna, Italy

Student Collaboration Grant

by Sapienza University of Rome

2023 - 2024

Rome, Italy

- Awarded twice to perform collaboration activities (Dec 2023–Jan 2024; Mar–Sep 2024).

Lodging Scholarship, BUCA’23

by Google

2023/09

Varenna, Italy

Honours programme in Computer Science

by Sapienza University of Rome

2022/02

Rome, Italy

- First place winner of the honours programme in Computer Science.

Tuition Fee Waiver for Outstanding Students

by Sapienza University of Rome

2020/09

Rome, Italy

- Awarded for graduating high school with **100/100** – granted for the first year of Bachelor’s degree.

Attended

BOOST’24, Bologna Orthogonal Summer School

by ELICSIR

2024/08

Bologna, Italy

BUCA’23, Challenges in building Billion Users Cloud Applications

by Google

2023/09

Varenna, Italy

Involvement in Research Projects

<i>IS CRA-C: AHNetBio</i>	7.5K GPU hours	PI	2026/03 - 2026/08
<i>IS CRA-C: LENS</i>	4.5K GPU hours	Researcher	2025/11 - 2026/01
<i>IS CRA-C: SLEY</i>	1.5K GPU hours	Researcher	2025/09 - 2025/11
<i>IS CRA-C: USAE</i>	200 GPU hours	Researcher	2025/03 - 2025/08
<i>IS CRA-C: S-NAV</i>	700 GPU hours	Researcher	2024/09 - 2024/12

Publications

- [1] **Davide Marincione**, Michele Mancusi, Giorgio Strano, Luca Cerovaz, Donato Crisostomi, Roberto Ribuoli, and Emanuele Rodolà. “PHALAR: Phasors for Learned Musical Audio Representations”. In: Proceedings of the Forty-Third International Conference on Machine Learning. 2026.
- [2] **Davide Marincione***, Giorgio Strano*, Donato Crisostomi, Roberto Ribuoli, and Emanuele Rodolà. “LoopGen: Training-Free Loopable Music Generation”. In: Proceedings of the 26th International Society for Music Information Retrieval Conference. 2025.

WORKSHOP PAPERS

- [3] **Davide Marincione***, Donato Crisostomi, Roberto Dessi, Emanuele Rodolà, and Emanuele Rossi*. “Model Merging Enables In-Context Learning for Bioacoustics Foundation Models”. In: The Thirty-Ninth Annual Conference on Neural Information Processing Systems workshop: AI for non-human animal communication. 2025.