

ALESSIA BERARDUCCI

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[in](#) [alessia-berarducci](#) | [aleberas](#)

EXPERIENCE

- **USI, Università della Svizzera Italiana** 03/2026 - ongoing
PhD Candidate in Computational Science Lugano, Switzerland
- **IDSIA (USI-SUPSI), Dipartimento Tecnologie Innovative** 09/2025 - 02/2026
Researcher and Master Assistant Lugano, Switzerland
- **USI, Università della Svizzera Italiana** 02/2025 - 06/2025
Teaching Assistant for Graphical Models and Network Science (Master's Course) Lugano, Switzerland
- **USI, Università della Svizzera Italiana** 03/2025 - 06/2025
Mentor – Bachelor Students in Data Science Lugano, Switzerland
- **USI, Università della Svizzera Italiana** 09/2024 - 01/2025
Teaching Assistant for the Probability & Statistics (Bachelor's course) Lugano, Switzerland
- **Università di Bologna** 12/2023 - 07/2025
Academic Degree Programme Tutor for the Master's in Statistical Sciences Remote

EDUCATION

- **USI, Università della Svizzera Italiana** 09/2024 – 07/2025
Master Degree in Computational Science (Data Science Track) Lugano, Switzerland
 - Focus on applied machine learning, programming, database systems, network analysis and causality.
 - Obtained a double degree as part of a competitive program with Università di Bologna.
- **Università di Bologna** 09/2023 – 07/2025
Master Degree in Statistical Sciences (Data Science Curriculum) Bologna, Italy
 - Strong foundation in statistics and mathematics, including advanced time series analysis, stochastic processes, statistical modeling, supervised learning and theoretical probability.
 - Graduated with 110/110 and honours.
- **Università di Bologna** 09/2020 - 07/2023
Bachelor Degree in Stats and Maths Bologna, Italy
 - Graduated with 110/110 and honours.

SKILLS

- **Languages:** R, Python, MATLAB, SAS
- **Databases:** MySQL
- **DevOps/VC:** Git
- **Docs/Tools:** \LaTeX , Jupyter
- **Office/Web:** Google Suites, Office Suites

VOLUNTEER EXPERIENCE

- **ATED4KIDS Mentoring** 02/2025 - ongoing
Empowered young learners to discover informatics through play-based coding sessions.

CERTIFICATIONS

- **IELTS C1** 09/2024

ADDITIONAL INFORMATION

Languages: Italian (Native language), English (C1 level), French (A2 level).

Hobbies: I've been playing piano for over 10 years, actively singing with the USI choir, playing volleyball and keeping fit at the gym.