

Sandro Paradžik

✉ sandro.paradzik@gmail.com • 🌐 sandropa.github.io
📄 sandropa • in sandro-paradzik

Experience

Machine Learning Intern: ModelCat *San Francisco Bay Area (Remote), Aug – Present*

Lecturer: Math School for Gifted Students *Sarajevo, 2022 – Present*

- Regularly deliver lectures and problem-solving sessions on advanced mathematics to prepare high-school and middle-school students for competitions; also serve as a lecturer during math camps held twice a year.
- Organized by The Association of Mathematicians of Sarajevo Canton.

Research Intern: Max Planck Institute for Biological Cybernetics *Tübingen, Jul – Sep 2024*

- Applied Dynamic Mode Decomposition (DMD) to analyze zebrafish calcium imaging data, discovering functional subnetworks and significant spatiotemporal patterns like oscillatory dynamics in the optic tectum.
- Demonstrated DMD's superior capability in capturing coupled spatial and temporal neural dynamics compared to traditional methods (e.g., PCA, ICA), contributing to research in the RoLi Lab.
- Selected for a highly competitive program with a **1.35%** acceptance rate in 2024.

Education

BSc in Theoretical Computer Science: University of Sarajevo *GPA 8.2/10, Oct 2021 – Sep 2025*

Summer Schools.....

Mediterranean Machine Learning Summer School *Split, 8-12 Sep 2025*

Eastern European Machine Learning Summer School *Sarajevo, 21-26 Jul 2025*

Selected awards from math competitions

Mediterranean Mathematics Competition: **Bronze, HM, Bronze** *2021, 2019, 2018*

Federation of Bosnia and Herzegovina: Ranked **2nd, 1st, 3rd** *2021, 2019, 2018*

Skills

Programming.....

Python, Git

Languages.....

Bosnian (native), English (C1)