Sandro Paradžik

sandro.paradzik@gmail.com • sandropa.github.io
sandropa • sandro-paradzik

experience

Machine Learning Intern: ModelCat — San Francisco Bay Area (Remote), Aug – Oct 2025

- Advanced the development of an AutoML system for computer vision applications specifically for edge devices.
- Focused on enhancing machine learning algorithms and optimizing the ML pipeline for improved performance and efficiency.

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)

Last updated October 18, 2025