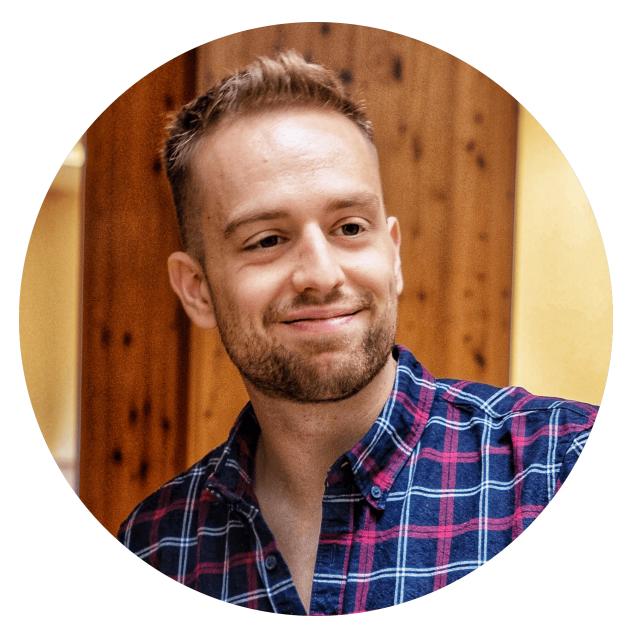
István Gellért Magyary



MSc Bioinformatics Student

Budapest, Hungary magyary.istvan@brc.hu +36~30~226~2205

Website | LinkedIn | GitHub | Medium | Buy me a coffee

Education

Λ	/ISc	in	Rio	inf	form	atics
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Pázmány Péter Catholic University (2024–)

Thesis title: Epigenetic rejuvenation during embryogenesis

Relevant coursework: Data Mining and Machine Learning, Biostatistics, Parallel Program-

ming, Quantitative Biology, Scientific Python

BSc in Biology

University of Szeged (2024)

Thesis title: Investigating the Relationship Between the Human Metabolome and Diseases

Using the UK Biobank Dataset

Professional & Research Experience

Research Student

BRC, Szeged / Computational Systems Biology Lab 2021–2025

- Developed predictive survival models for multiple disease and metabolite level associations

Languages

• English: Fluent (C1 certificate)

Publications

• Poster: Lilla Széles, István Magyary et al.

What does the evolution of the mammalian metabolome reveal about human diseases?

Straub-Days, 2023

• Poster: István Magyary et al.

Different shapes of blood biomarker and disease risk relationships

Straub-Days, 2025

Achievements & Awards

- 2021–2025: National Academy of Scientific Education Szent-Gyögyi Student Fellowship
- 2023 Autumn: SZTE Local Medical TDK Participation
- 2024 Spring: SZTE Local Biology TDK Finalist
- 2025: Biology OTDK Participation

Technical Skills

- Programming: Python (NumPy, Pandas, scikit-learn, PyTorch), R (tidyverse)
- Data Analysis: Multi-modal integration (EHR, omics), statistical modeling
- Tools: Jupyter Notebook, Git, Linux/HPC

Volunteer & Teaching Experience

- Student mentoring at HÖOK Mentorprogram
- Scouting Patrol leader at **Kaposvár** (2015–2024)