Luka Šimek

e-mail: simek.luka@gmail.com
phone: +385 92 5028 177
website: https://lsimek.github.io
GitHub: https://github.com/lsimek

Education

2022-2025[1]   Master's Degree in Mathematical Statistics, University of Zagreb, Faculty of Science

GPA[2]:	3.500 (US), 4.500 (Croatian)
notable classes[3]:	Mathematical Statistics, Stochastic Processes, Mathematical Software, Statistics Lab 1

2019-2022   Bachelor's Degree in Mathematics, University of Zagreb, Faculty of Science

GPA:	3.267 (US), 4.267 (Croatian)
notable classes:	Mathematical Analysis (1 and 2), Linear Algebra (1 and 2), Probability, Data Structures and Algorithms, Computing Lab 1

student assistant in Mathematical Analysis and Computer Programming

2015-2019   XVth Gymnasium, Zagreb

bronze medal at the 2017 Middle European Mathematical Olympiad
2nd place at the 2016 Croatian National Olympiad in Mathematics
participation at national olympiads in mathematics, informatics, logic and physics

Skills

programming languages   Python (most experience)

scientific libraries:	NumPy, SymPy, SciPy, statsmodels, PyMC, pandas, polars, scikit-learn, Tensorflow, Matplotlib, seaborn

notable experience in

scientific software:	Matlab/Octave, R
DBMS:	PostgreSQL, neo4j
other:	C, C++

mathematical knowledge   systematic and intuitive knowledge of analysis, linear algebra, discrete mathematics, probability theory, statistics and statistical (machine) learning

general CS knowledge   knowledge of algorithms and data structures, experience in algorithm design and implementation, basic knowledge of asynchronous programming and networking

other skills   JupyterLab, LaTeX, Linux utilities, use of git and GitHub, general problem solving skills, professional and precise use of English

---

1   expected duration of programme
2   among classes finished so far
3   some relevant classes finished with the maximal grade