

Aleksandr Mazovetskii

BSc Artificial Intelligence student · Johannes Kepler University Linz

Linz, Austria · amazovetskii@gmail.com · aleksandrmazovetskii.com · github.com/amazovetskii · linkedin.com/in/aleksandr-mazovetskii

EDUCATION

- **BSc Artificial Intelligence** — Johannes Kepler University Linz, Mar 2024 – Jul 2027 (expected)
120 of 180 ECTS completed. Grade average 1.7; mathematics and stochastics coursework 1.3 (Austrian scale, 1 = best).

Selected coursework

- **Mathematics and stochastics** — Mathematics for AI I–III (measure and integration theory, functional analysis, linear algebra, differential equations), Stochastic Simulation, Numerical Optimization, Statistics for AI
- **Machine learning** — Machine Learning and Pattern Classification, Machine Learning: Basic / Supervised / Unsupervised Techniques, Learning from User-generated Data, Hands-on AI I–II
- **Computer science** — Algorithms and Data Structures 1–2, Programming in Python I–II, Logic, Formal Models, Computational Logics for AI

WRITING

- **Monte Carlo Simulation of SDEs and Variance Reduction via Control Variates** — BSc seminar paper, 2026
Studies the control variate method for Monte Carlo estimation of functionals of stochastic differential equations, using a martingale of known expectation to reduce estimator variance, and shows how the reduction degrades as the payoff decouples from the underlying process. [Write-up](#)

EXPERIENCE

- **Sales Assistant** (part-time) — VomFass, Linz, Jul 2024 – Dec 2025
Customer advice and day-to-day shop operations alongside full-time study; German-language customer contact throughout.

SKILLS

- **Programming** — Python (NumPy, pandas, scikit-learn, PyTorch); R (stochastic simulation)
- **Data** — SQL, MySQL, MongoDB
- **Tools** — LaTeX (typesetting papers), Git, Linux

LANGUAGES

- **Russian** — native
- **English** — language of instruction throughout the BSc; IELTS Academic 6.5 (2023)
- **German** — B2; ÖSD examination scheduled for August 2026