

Kirill Tamogashev

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Personal Profile

Driven and accomplished Math of Machine Learning Master's student at Skoltech and Higher School of Economics, consistently delivering strong academic performance. I possess a deep passion for the field and actively seek opportunities to contribute my skills and knowledge to the research and development of Artificial Intelligence and Deep Learning algorithms.

Skills and Knowledge

Deep Learning	Neural Signal Processing, NLP, Transformers, Bayesian Methods, VAE, Diffusion models
Programming	Python (strong knowledge of PyTorch), NumPy, Scikit-learn, C++
Miscellaneous	Linux, Shell (Bash/Zsh), Docker, CI/CD, Git.
Languages	Russian (Native), English, German

Education

Yandex School of Data Analysis

Supplementary Education

Moscow, Russia

September 2023 - Current

- **Courses:** Advanced Algorithms and Data Structures, C++, Tensor Decompositions

Skolkovo Institute of Science and Technology & National Research University Higher School of Economics

Joint MSc degree in Math of Machine Learning

Moscow, Russia

September 2022 - Current

- GPA - 9.19
- **Courses:** Measure Theory, Markov Chains, High-Dimensional Probability and Statistics, Neurobayesian Methods

National Research University Higher School of Economics

BSc in Economics

Moscow, Russia

September 2018 - August 2022

- GPA - 8.16
- **Courses:** Probability Theory, Stochastic Processes, Machine Learning, Reinforcement Learning

Work Experience

Samsung AI Center

AI Researcher

Moscow, Russia

August 2023 - Current

- Key responsibility: developing the algorithm for acoustic domain transfer.
- Conducted research on the effects of various audio degradations on the quality of a trained speech enhancement model.
- Contributed to the design of augmentations used for training speech enhancement for portable devices.
- During my work I gained a strong understanding of techniques employed in neural signal processing.

Samsung AI Center

Intern AI Researcher

Moscow, Russia

June 2023 - July 2023

- Researched techniques for faster diffusion distillation.
- Implemented novel diffusion distillation technique from scratch.

Tinkoff

ML Engineer

Moscow, Russia

November 2021 - June 2023

- Played a key role in developing, maintaining, and deploying efficient text-to-speech models, with a focus on enhancing speaker quality and prosodic diversity of production models.
- Successfully improved speaker quality and prosodic diversity by 5-10%, resulting in a more natural and engaging audio experience.

National Research University Higher School of Economics

Teaching Assistant

Moscow, Russia

October 2019 - May 2022

- **Courses:** Probability Theory and Statistics, Calculus, Linear Algebra, Deep Learning, Machine Learning
- Recognized as one of the brightest students with excellent grades for the corresponding subjects.