

Nikita Morozov

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Research Interests

Deep Learning, Probabilistic Modeling, Generative Modeling, Reinforcement Learning

Education

HSE University September 2022 – (expected) July 2024
Master's programme 'Math of Machine Learning', current GPA: 9.50/10 Moscow, Russia

HSE University September 2018 – July 2022
Bachelor's programme 'Applied Mathematics and Information Science', GPA: 9.65/10 Moscow, Russia

Experience

HSE University, Centre of Deep Learning and Bayesian Methods November 2021 – Present
Research Assistant Moscow, Russia

- Topic: Generative Flow Networks (GFlowNets), supervisor: [Dmitry Vetrov](#)

HSE University September 2022 – Present
Teaching Fellow Moscow, Russia

- Courses: Machine Learning, Introduction to Deep Learning

AIRI May 2023 – July 2023
Research Intern Moscow, Russia

- Research with [Aibek Alanov](#) on applying GFlowNet techniques to diffusion models

HSE University September 2019 – June 2022
Teaching Assistant Moscow, Russia

- Courses: Machine Learning, Algebra, Algorithms and Data Structures

Yandex July 2019 – November 2019
Software Engineer Intern Moscow, Russia

- Refining C++ API of distributed computing platform [YTsaurus](#)
- Optimization of internal data exchange format parsers and writers

Publications

[Generative Flow Networks as Entropy-Regularized RL](#)
Daniil Tiapkin*, **Nikita Morozov***, Alexey Naumov, Dmitry Vetrov
AISTATS 2024 (Oral)

[Differentiable Rendering with Reparameterized Volume Sampling](#)
Nikita Morozov, Denis Rakitin, Oleg Desheulin, Dmitry Vetrov, Kirill Struminsky
AISTATS 2024, Short version of this paper appeared in ICLR 2023 Workshop on Neural Fields

[Weight Averaging Improves Knowledge Distillation under Domain Shift](#)
Valeriy Berezovskiy, **Nikita Morozov**
ICCV 2023 Workshop on Out-of-Distribution Generalization in Computer Vision

Awards

International Collegiate Programming Contest (ICPC)
21/276 place in Northern Eurasia Finals, advanced to World Finals 2024

Ilya Segalovich Scholarship
HSE University & Yandex scholarship for outstanding achievements in study and research 2021, 2023

HSE Student Research Paper Competition
Awardee in computer science category 2022

Skills

Programming Languages: Python, C++, C
Deep Learning Frameworks: PyTorch, JAX
Other Programming: Git, Unix, Spark, CUDA (basic knowledge)

Languages

English: C1, **Russian:** Native, **French:** A1