

# Nikita Morozov

[greatdrake.github.io](https://greatdrake.github.io) • [github.com/GreatDrake](https://github.com/GreatDrake) • [nvmorozov@hse.ru](mailto:nvmorozov@hse.ru) • +7 (903) 515 09 31

## Research Interests

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Deep Learning, Probabilistic Modeling, Generative Modeling, Reinforcement Learning

## Education

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<b>HSE University</b> <i>Ph.D. in Computer Science, supervisor: Dmitry Vetrov</i>	Starting in October 2024 <i>Moscow, Russia</i>
<b>HSE University</b> <i>Master's programme 'Math of Machine Learning', GPA: 9.58/10</i>	September 2022 – July 2024 <i>Moscow, Russia</i>
<b>HSE University</b> <i>Bachelor's programme 'Applied Mathematics and Information Science', GPA: 9.65/10</i>	September 2018 – July 2022 <i>Moscow, Russia</i>

## Work Experience

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<b>HSE University, Centre of Deep Learning and Bayesian Methods</b> <i>Research Assistant</i> <ul style="list-style-type: none"><li>Current topic: Generative Flow Networks (GFlowNets), supervisor: <a href="#">Dmitry Vetrov</a></li><li>Previous topic: Novel view synthesis and text-to-3D generation, supervisor: <a href="#">Kirill Struminsky</a></li></ul>	December 2021 – Present <i>Moscow, Russia</i>
<b>EPFL MLBIO</b> <i>Research Intern</i> <ul style="list-style-type: none"><li>Topic: Equivariant diffusion models for cell data, supervisor: <a href="#">Maria Brbic</a></li></ul>	June 2024 – September 2024 <i>Lausanne, Switzerland</i>
<b>AIRI</b> <i>Research Intern</i> <ul style="list-style-type: none"><li>Topic: Applying GFlowNet techniques to diffusion models, supervisor: <a href="#">Aibek Alanov</a></li></ul>	May 2023 – July 2023 <i>Moscow, Russia</i>
<b>Yandex</b> <i>Software Engineer Intern</i> <ul style="list-style-type: none"><li>Refining C++ API of distributed computing platform <a href="#">YTsauros</a></li><li>Optimization of internal data exchange format parsers and writers</li></ul>	July 2019 – November 2019 <i>Moscow, Russia</i>

## Teaching

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<b>HSE University</b> <i>Teaching Fellow</i> <ul style="list-style-type: none"><li>Courses: Machine Learning, Deep Learning, Probability Theory</li></ul>	September 2022 – Present <i>Moscow, Russia</i>
<b>HSE University</b> <i>Teaching Assistant</i> <ul style="list-style-type: none"><li>Courses: Machine Learning, Algebra, Algorithms and Data Structures</li></ul>	September 2019 – June 2022 <i>Moscow, Russia</i>

## Publications

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- [Improving GFlowNets with Monte Carlo Tree Search](#)  
**Nikita Morozov**, Daniil Tiapkin, Sergey Samsonov, Alexey Naumov, Dmitry Vetrov  
ICML 2024 Workshop on Structured Probabilistic Inference & Generative Modeling
- [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

## Reviewing

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**ICML 2024**

## Awards

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**International Collegiate Programming Contest (ICPC)**

*21/276 place in Northern Eurasia Finals, advanced to World Finals*

2023/2024

**International Collegiate Programming Contest (ICPC)**

*42/281 place in Northern Eurasia Finals*

2022/2023

**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

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**Programming Languages:** Python, C++, C

**Deep Learning Frameworks:** PyTorch, JAX

**Other Programming:** Git, Unix, Spark, CUDA (basic knowledge)

## Languages

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