

Nikita Morozov

greatdraken@gmail.com • greatdrake.github.io • github.com/GreatDrake • +7 (903) 515 09 31

Research Interests

Deep Learning, Probabilistic Modeling, Generative Modeling, 3D Computer Vision, Neural Rendering

Education

HSE University	September 2022 – (expected) August 2024
<i>Master's programme 'Math of Machine Learning', current GPA: 9.50/10</i>	<i>Moscow, Russia</i>
HSE University	September 2018 – July 2022
<i>Bachelor's programme 'Applied Mathematics and Information Science', GPA: 9.65/10</i>	<i>Moscow, Russia</i>

Experience

HSE University, Centre of Deep Learning and Bayesian Methods	November 2021 – Present
<i>Research Assistant</i>	<i>Moscow, Russia</i>
<ul style="list-style-type: none">• Topic: Generative Flow Networks (GFlowNet), supervisor: Dmitry Vetrov• Topic: Neural Radiance Fields (NeRF) and Text-to-3D, supervisor: Kirill Struminsky	
HSE University	September 2022 – Present
<i>Teaching Fellow</i>	<i>Moscow, Russia</i>
<ul style="list-style-type: none">• Courses: Machine Learning, Introduction to Deep Learning	
AIRI	May 2023 – July 2023
<i>Research Intern</i>	<i>Moscow, Russia</i>
<ul style="list-style-type: none">• Research with Aibek Alanov on applying GFlowNet techniques to diffusion models	
HSE University	September 2019 – June 2022
<i>Teaching Assistant</i>	<i>Moscow, Russia</i>
<ul style="list-style-type: none">• Courses: Machine Learning, Algebra, Algorithms and Data Structures	
Yandex	July 2019 – November 2019
<i>Software Engineer Intern</i>	<i>Moscow, Russia</i>
<ul style="list-style-type: none">• Refining C++ API of distributed computing platform YTsauros• 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
arXiv preprint 2023

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

[Differentiable Rendering with Reparameterized Volume Sampling](#)
Nikita Morozov, Denis Rakitin, Oleg Desheulin, Dmitry Vetrov, Kirill Struminsky
ICLR 2023 Workshop on Neural Fields across Fields

Awards

Ilya Segalovich Scholarship	2021, 2023
<i>HSE University & Yandex scholarship for outstanding achievements in study and research</i>	
HSE Student Research Paper Competition	2022
<i>Awardee in computer science category</i>	
International Collegiate Programming Contest (ICPC), Northern Eurasia Finals	2022
<i>Third degree diploma</i>	

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