

Vsevolod Skorokhodov

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[sevashasla](#)

Work Experience

- Sep 2024 – **Research Student**, *CVLab, EPFL*, Lausanne, Switzerland.
Present
 - Working on realistic object insertion into 3D Gaussian Splatting using diffusion models.
 - Authored a [preprint](#) as an intermediate result of this work.
- Jul 2023 – **Visiting Student**, *King Abdullah University of Science and Technology (KAUST)*, Thuwal, Saudi Arabia.
Oct 2023
 - Supervised by Prof. [Peter Wonka](#).
 - Worked on improving Neural Radiance Fields (NeRF) to better accommodate scenes of various scales.
- Nov 2022 – **Research Intern**, *Center for Cognitive Modeling, MIPT*, Moscow, Russia.
Jun 2023
 - Enhanced Semantic NeRF by incorporating uncertainty estimation.
 - Published a [conference paper](#) as a result of this internship.
- Jul 2022 – **Machine Learning Engineering Intern**, *Yandex*, Moscow, Russia.
Oct 2022
 - Worked on enhancing ranking algorithms by incorporating information from recent news into Yandex.Search, which processes ~ 1.6B daily queries

Education

- Sep 2024–
now **M.S.**, *EPFL, Lausanne, Switzerland*.
Major: Data Science
 - GPA: 5.13/6.0
 - Ranked among the [Top 10 universities in Europe](#) (Times Higher Education)
- Sep 2020–
Aug 2024 **B.S.**, *Moscow Institute of Physics and Technology, Moscow, Russia*.
Major: Applied mathematics and physics
 - Thesis:** *FILIP-like Loss Function for Multimodal Classifier Training*
 - Graduated **with honors**, GPA: 9.1/10.0 (3.87/4.0), Top 5% of class
 - Ranked as the [Top Computer Science University in Russia](#)
 - Relevant coursework: Machine Learning, Statistics, Programming, Calculus, Linear Algebra, Physics

Awards & Achievements

- 2021-2023 **Abramov Scholarship**, *MIPT*.
A 60,000 ruble per semester scholarship for students with top-tier educational performance
- 2020 **Prize Winner**, *All-Russian Olympiad of high-school seniors in Physics*.
- 2020 **Winner**, *Moscow Olympiad of high-school seniors in Physics*.

Conferences

- 2023 **The 65th All-Russian Scientific Conference of MIPT**, *Dolgoprudny, Russia*.
Vsevolod Skorokhodov, Darya Drozdova, Dmitry Yudin
Title: Novel view synthesis for images and their semantic maps based on the method of differentiable representation of the scene with hashing

Hackathons

- autumn 2021 **Leaders of Digital Transformation**, *Finalist*, Moscow, Russia.
Development of a service to search for missing pets
- autumn 2021 **Tulahack**, *The best technical solution*, Moscow, Russia.
Recognition of how well medical masks are worn

Technical skills

Coding Python, C++

ML/DL frameworks torch, torchvision, transformers, diffusers, opencv, sklearn, pandas, numpy, scipy, matplotlib, timm, pyro

Other docker, git, bash, SQL, L^AT_EX

Languages

English (professional working proficiency), Russian (native)

Certificates **TOEFL iBT**: 101/120, Advanced