

# Vsevolod Skorokhodov

## Education

- Sep 2020–  
now **BS, Moscow Institute of Physics and Technology**, *Moscow, Russia*.  
**Major:** Applied mathematics and physics
- Top 3 universities in Russia, [unews](#)
  - Machine Learning, Statistics, Programming, Calculus, Linear Algebra, Physics
  - Current GPA: 9.27/10.0 or 3.92/4.0, top 5% of the class
- Sep 2018–  
Aug 2020 **High School, AESC MSU**, *Moscow, Russia*.  
Advanced study of physics and math
- Recognized as the top high school in Russia for the highest rate of graduates admitted to the country's top universities, according to [statista](#)
  - GPA: 4.65/5.0

## Work Experience

- Jul 2023–  
Oct 2023 **Visiting Student**, *King Abdullah University of Science and Technology*, Thuwal, Saudi Arabia.
- Supervised by prof. [Peter Wonka](#)
  - Worked on improving of Neural Radiance Fields (NeRF) to better accommodate scenes of various sizes
- Nov 2022–  
Jun 2023 **Research Intern**, *Center for Cognitive Modeling MIPT*, Moscow, Russia.
- Improved Semantic NeRF and had a [pre-print](#) as a result of my internship
- Jul 2022–  
Oct 2022 **Machine Learning Engineering Intern**, *Yandex*, Moscow, Russia.
- Worked on enhancing ranking algorithms by incorporating information from recent news into Yandex.Search, which processes ~ 1.6B daily queries

## 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, sklearn, pandas, numpy, scipy, matplotlib, opencv, transformers, timm, pyro
- Other** docker, git, bash, SQL,  $\text{\LaTeX}$