

KROO DMITRY

+7-985-267-19-13 — dmitrykroo@gmail.com — [Github](#) — [Linkedin](#)

EDUCATION

Moscow Institute of Physics and Technology (MIPT) *2018 - Present*

BSc in Applied Mathematics and Computer Science

– *Relevant Coursework:* Probability Theory, Python, Object-Oriented Programming on C++, Algorithms and Data Structures

– Taking *DS Track*: two-year intensive training in Data Science; 8 courses on ML and Applied Statistics completed as of January 2022

WORK EXPERIENCE

SberDevices *Aug 2021 — present*

Machine Learning Engineer

- Working on photorealistic virtual character generation at [Visper](#). Improving lip-sync quality and realism.

Deepmux *Feb 2021 — May 2021*

Analyst (Practice, part-time)

- Set up model inference on Deepmux Cloud Computing platform with PyTorch, TensorFlow, Huggingface Transformers. Created tutorials for users.

Huawei Russian Research Institutes *Jul 2020 — Dec 2020*

Junior Software Engineer

- Developed a remote test monitoring system with Python. Learned basic methods of lossless compression and their use in PCC, wrote testing scripts for Google Draco, MPEG TMC13.
- Developed an prediction algorithm for lossless LiDAR data compression, which provided more than 2x reduction in size.

SKILLS

Programming Languages: Python, C++, SQL

Data Analysis: NumPy, Pandas, SciPy, Statsmodels, Matplotlib

ML: Scikit-learn, PyTorch, CatBoost, XGBoost, Pyro

Other Software: git, Linux, PowerShell, MS Office

Languages: Russian (Native), English (B2)

ACHIEVEMENTS

- First prize in [International Mathematics Competition for University Students \(IMC\)](#), 2021
- Finalist / Top 50 of ~ 3000 participants on [Yandex.Cup](#) (Analytics), 2020
- Winning team / Top 1 of 6 teams on [MIPT Endowment Fund Hackathon](#), 2020
- First prize / Top 8 of 963 participants in [Kurchatov Olympiad in Mathematics](#), 2018
- Second prize in [Moscow Mathematical Olympiad](#), Phystech Olympiad, 2018

ACADEMIC INTERESTS

Algorithm Theory, Machine Learning, Applied Statistics, 3D Programming, Blockchain