KROO DMITRY

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EDUCATION

Moscow Institute of Physics and Technology (MIPT)   *2018 - 2022*
BSc in Applied Mathematics and Computer Science, Data Science specialisation
– *Relevant Coursework:* Probability Theory, Python, Object-Oriented Programming on C++, Algorithms and Data Structures

Moscow Institute of Physics and Technology (MIPT)   *2022 - present*
MSc in Blockchain
– *Relevant Coursework:* Cryptography, Ethereum, DLT, Distributed Systems

WORK EXPERIENCE

Red Cedar   *Jul 2022 — Sep 2022*
Quantitative Researcher (internship)

- Researched statistical arbitrage alphas using deep learning.

SberDevices   *Aug 2021 — May 2022*
Machine Learning Engineer

- I did audio-to-video talking head generation at Visper.tech. Improved different stages of Pytorch-based ML pipeline and significantly enchanced lipsync quality.

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. Wrote testing scripts for Google Draco, MPEG TMC13. Developed an prediction algorithm for lossless LiDAR data compression.

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 (C1)

ACHIEVEMENTS

- First prize in 2021, Second Prize in 2022 at **International Mathematics Competition for University Students (IMC)**

- 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