

Moscow, Russia

□ (+7) 925-472-47-05 | 🗷 datkhuzhev.za@phystech.edu | 🖸 Datkhuzhev | 🛅 zadatkhuzhev

Education

Moscow Institute of Physics and Technology

Moscow, Russia

MASTER'S DEGREE IN MACHINE LEARNING AND DATA SCIENCE

Sept. 2020 - Aug. 2022

- Department of Innovation and High Technology.
- Thesis: Quantization of Image-to-Image Neural Networks.

Moscow Institute of Physics and Technology

Moscow, Russia

BACHELOR IN APPLIED MATHEMATICS AND COMPUTER SCIENCE

Sept. 2016 - Aug. 2020

- · Department of Innovation and High Technology.
- Thesis: Transfer Learning Between Reinforcement Learning Environments via Distillation.

Experience_

Huawei Moscow, Russia

Apr. 2020 - Present DEEP LEARNING RESEARCH ENGINEER

- Provided a comprehensive overview of state-of-the-art (SOTA) methods in the field of Low-bit NN and Transformer Quantization (Compression), which helped my team to define proper research direction.
- · Improved existing quantization algorithms on Automatic Speech Recognition using Transformer architectures, achieved new SOTA results for 2-bit and 4-bit Transformer quantization.
- Managed 2 people of the same age and led them to the project goal achievement.
- Performed SOTA overview in the field of Automatic NN Quantization.
- Deployed a Reinforcement Learning algorithm for automatic mixed-precision quantization.
- Constantly provided support to my colleagues and teammates.

Deep Learning School Moscow, Russia

TEACHER

Sept. 2018 - May. 2019 • Gave lessons to 100 high school students every week.

- Taught them python tools for data science (NumPy, Pandas, Matplotlib), linear algebra (Matrix calculus), machine learning (Linear models), deep learning (MLP, CNN, RNN).

Skills

Languages English (B2 Upper intermediate) · Russian (Native) · Adyghe (Native) · Spanish (A1 Beginner)

Coding Python · C++ · LaTeX

ML and DL Tensorflow 2 · Pytorch · Sklearn · Scipy · Plotly · Albumentations

Big Data SQL · HDFS · MapReduce · Hive · Spark · Kafka

DevOps Docker · Gitlub CI/CD

Other Jupyter · Linux · Bash · Git · SSH

Relevant Courses_

YSDA Computer vision · Practical RL · Bayesian methods · Python · NLP

Algorithms and data structures · Machine Learning · Advanced Topics in Deep Reinforcement Learning · Big Data **MIPT**

Coursera Introduction to Deep Learning · How to Win a Data Science Competition

Honors & Awards

DOMESTIC

2021	Winner, Huawei Moscow Research Center President Award	Moscow, Russia
2016	Winner, Russian Olympiad in Math "Phystech"	Moscow, Russia
2016	Finalist, All-Russian Mathematical Olympiad	Moscow, Russia
2015	Finalist, All-Russian Mathematical Olympiad	Moscow, Russia