

Andrei Panferov

ML ENGINEER

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Education

Moscow Institute of Science and Technology (MIPT)

Moscow, Russia

BACHELOR OF SCIENCE IN PHYSICS AND MATH, GPA: 9.1/10.0

2020 - 2024

Yandex School of Data Analysis (YSDA)

Moscow, Russia

MACHINE LEARNING DEVELOPER

2021 - 2023

- Two semester advanced C++ course (including concurrency, metaprogramming and network programming)
- One semester Efficient DL course (distributed training, deployment, distillation)
- Two semester general ML course

Skills

Languages C++, Python, CUDA

ML PyTorch (including distributed and script), Megatron-LM, huggingface

Infrastructure Docker, Postgres, Flask, Prometheus, Docker compose

NLP LLMs, well-acquainted with SOTA techniques

Network Protoc, FIX, linux sockets

Experience

Yandex

Moscow, Russia

ML ENGINEER INTERN (NLP)

March 2022 - July 2022

- Writing fast LM backends (C++ and CUDA)
- Writing APIs and deploying models

Terra Quantum AG

Moscow, Russia

SOFTWARE ENGINEER

July 2020 - July 2022

- Developed a framework for quantum circuit optimization (python)
- Analyzed experiment data and helped building models of quantum decoherence

Projects

🤖 NLP bot

- Telegram **bot** with **NLP** functionality
- Automatic **data collection** and preparation
- Easily deployed with **Docker compose**
- Full deployment with **Telegram API**, **backend** and **metrics**

🔗 Raytracer

- An almost **pure C++ raytracing** program
- Features CATCH2 **unit tests** and **GitHub-CI**

🧠 Neuromatch Academy Final Project

ML DESIGN

Summer 2021

- Calcium imaging **neuron activity** analysis
- **Convolutional network** for **time series** analysis

Awards

International Physics Olympiad

Israel

GOLD MEDAL

Summer 2019