

Aleksandr Iziurov

+7 (922) 031-76-37 | iziurov.as@phystech.edu | github.com/sankek

Education

Moscow Institute of Physics and Technology (MIPT)

Bachelor of Science in Mathematics and Physics

- **Thesis:** Diffusion models development for the design of crystal structures

Dolgoprudny, Russia

2019 - Present

Deep Learning School

A course on neural networks by MIPT

- Graduated with 1st degree diploma

2021 - 2022

Work Experience

Terra Quantum AG

ML Engineer. Development of a conversational AI chatbot

- Customizing and deploying large language models.
- Designed and implemented configurable BERT-based models for response selection.
- Adapted SOTA text-to-image model to use in a conversation.
- Used a variety of the methods to train CatBoost on text features extracted by Transformer model.
- Exploring data used in ML pipelines.

St. Gallen, Switzerland

Aug 2022 - Present

Projects

Image Inpainting using partial convolutions

Internship project

2022

Molecular energy prediction using Graph Neural Networks

Competition project

2022

Face generation with Generative Adversarial Networks

Course project

2021

3D game engine on pure python

University project

2019

Skills

Programming languages Python, C++

Technologies and Tools LaTeX, Git, Linux, Docker

Libraries PyTorch, PyTorch Lightning, Transformers, Diffusers, CatBoost, Hydra, NumPy, Pandas
Scikit-learn, SciPy, Matplotlib, Plotly

Basic knowledge MPI, OpenMP, CUDA, SQL, JavaScript

Languages English (B2)

Achievements

2022 **Awardee, RUCODE 5.0 AI competition**

Russia