

Mikhail Kuznetsov

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EDUCATION

- **National Research Nuclear University MEPhI** Moscow, Russia
• *Bachelor - Software Engineering (GPA: 4.27/5)* Sep 2020 - Aug 2024
- **Skoltech** Moscow, Russia
• *Master - Advanced Computational Science* Sep 2024 - Present

SKILLS SUMMARY

- **Languages:** Python, C, C++
- **ML stack:** PyTorch, PyTorch3D, Keras, OpenCV, Scikit, CatBoost, HuggingFace
- **Backend:** FastAPI, Flask, Celery, RabbitMQ, Redis, PostgreSQL, TorchServe
- **Tools:** Docker, GIT, Jupyter, Bash, WandB

EXPERIENCE

- **SberAI** Aug 2023 — Currently
 - *Data Scientist*
 - **3D Deep Learning:** Developed point cloud completion models, worked with 3D avatars generation and shape reconstruction pipelines
 - **ServeFacialAttributes:** Developed a service for facial attribute analysis using the torchserve library
 - **New Materials Design:** Participated in projects predicting properties of new materials with the New Materials Design AIRI group
- **SberAI** Nov 2022 — May 2023
 - *Research Intern*
 - **CV Project:** Participated in development of 'Revising deep learning methods in parking lot occupancy detection' project
- **Copter Express** Sep 2018 — Jun 2019
 - *Junior Software Engineer*
 - **Software Development:** Developed software for "CLOVER" drone educational toolkit and industrial drone "PELICAN"
 - **Company Promotion:** Represented company at conferences, promoted company products
 - **Main Project:** Face Recognition System for Clover demo at PX4DevSummit in Zurich

PUBLICATIONS

- **Syntax Error Search Using Parser Combinators:** 2021 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering (ElConRus) (Jan '21)
- **Revising deep learning methods in parking lot occupancy detection:** On peer-review
- **ImgAdaPointTr: Improving Point Cloud Completion via Images and Segmentation:** VISIGRAPP 2024
- **Prediction of the small molecule selectivity index against influenza virus strain A/H1N1 using machine learning methods:** Russian Chemical Bulletin (Mar '25)

HONORS AND AWARDS

Scholarships

- Tinkoff Scholarship recipient - September, 2022

Hackathons

- BEST Hack 2021, Data Science track: 1st place in final, 2nd place in semifinal - May, 2021
- Projector 2021 Hackathon 2nd place - February, 2021

Competitions

- National Technological Initiative AI Competition, 4th place - March, 2020

COURSES

- **Neural Networks and Deep Learning**, Course, Coursera Feb 2021
- **Improving Deep Neural Networks**, Course, Coursera Mar 2021
- **Generative Adversarial Networks (GANs)**, Specialization, Coursera Aug 2021
(Certificate)
- **Avito Analytics Academy**, DS Engineering track Sep 2022 - Jun 2023
(Certificate)
 - **Project Achievement:** My final project was rated by the jury as the best on track.

TEACHING EXPERIENCE

- **Tutor at SberAI bootcamp "Digital Centaurs"** Moscow, Russia
• *Support and assistance to students, advice on projects, homework checking* Jul 2021 - Aug 2021
- **Problem Setter for Deep Learning School 2025 Olympiad** Moscow, Russia
• *Designed and created olympiad problems on math and machine learning* Mar 2025 - Apr 2025