

ILYA DROBYSHEVSKIY

Moscow, Russia

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EDUCATION

- **Higher School of Economics** Moscow, Russia
Bachelor of Applied Mathematics and Computer Science; GPA: 9.06/10 *Sep 2021 – Present*
 - **Relevant courses:** ML/DL, Methods of Optimizations, Stochastic Calculus, Algorithms and Data Structures, Linear Algebra, Probability Theory and Statistics, Graph Theory, Abstract Algebra, Calculus.

EXPERIENCE

- **Research Institute of AI** Moscow, Russia
Intern researcher *May 2024 – Present*
 - **Tasks:** Doing research in the field of FaceSwap supervised by [Alanov Aibek](#) in Controllable Generative AI team.

SKILLS

- **Languages:** Russian (Native), English (Upper-Intermediate), Polish (Upper-Intermediate)
- **Programming languages:** Python, C/C++
- **Technologies:** Git, Docker, Markdown, L^AT_EX
- **Libraries:** PyTorch, Jax, NumPy, Scipy, Pandas

PROJECTS

- **FaceSwap Via GANs:** My 3rd year coursework, in which we were researching some of FaceSwap methods and introduced the huge improvements for SOTA method.
- **Image Classifier:** In this competition I had to make a classifier for small images (40 x 40) but there were some limitations such as don't use pretrained models, use only authors data and don't resize up images. My model was taken 3rd place out of 119.
- **Generative Models:** My implementation of some generative models/pipelines such as autoencoder, StarGAN, VAE, DDPM, RAG, TTS.
- **DL:** Homeworks from DL course with implementations of PyTorch analogue(main classes and backpropagation), MLP, CNN, RNN and Transformer.
- **ML:** Homeworks from ML course with implementations of gradient boosting, logistic regression, SVM, some of RecSys, EM-algorithm, methods of clusterization, anomaly detection and kernel tricks.

TEACHING

- **Higher School of Economics** Moscow, Russia
Teacher assistant *Sep 2022 – Present*
 - **Courses:** ML, Matrix Computations, Linear Algebra, Calculus, Probability Theory and Statistics.