ILYA DROBYSHEVSKIY

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Research Interests

- Image/Video and Text Diffusion Models; Distillation and Efficient Sampling; Post-Training.

Education

- **Yandex School of Data Analysis** — Moscow, Russia
  Data Science track; GPA: 5/5 — *Sep 2025 – Jun 2027 (expected)*
- **HSE University** — Moscow, Russia
  Master's programme in Computer Science; GPA: 10/10 — *Sep 2025 – Jun 2027 (expected)*
- **HSE University** — Moscow, Russia
  Bachelor's programme in Applied Mathematics and Computer Science; GPA: 8/10 — *Sep 2021 – Jun 2025*
  - **Specialization**: Machine Learning & Applications.

Experience

- **Yandex Research, Visual GenAI** — Moscow, Russia
  ML Research Resident — *Apr 2025 – Present*
  - **Tasks**: Accelerating diffusion models and improving their performance under the supervision of Dmitry Baranchuk and Artem Babenko.
- **HSE University, Centre of Deep Learning and Bayesian Methods** — Moscow, Russia
  Research Intern — *May 2024 – May 2025*
  - **Tasks**: Engaged in research in the field of FaceSwap via Diffusion Models and GANs supervised by Alanov Aibek.

Publications

- **Representation-Space MMD for Diffusion Language Models (DiffuLM Workshop, NeurIPS 2026, Oral)** [arXiv] [Project page]
  I. Drobyshevskiy*, I. Sudakov*, M. Semenov, D. Kuznedelev, M. Ignatov, P. Temirchev, N. Balagansky, V. Meshchaninov, N. Gushchin, D. Baranchuk
- **Registers Matter for Pixel-Space Diffusion Transformers (Preprint 2026)** [arXiv] [Project page]
  N. Starodubcev, I. Sudakov*, **I. Drobyshevskiy***, A. Babenko, D. Baranchuk
- **Scale-wise Distillation of Diffusion Models (ICLR 2026)** [arXiv] [Project page]
  N. Starodubcev, **I. Drobyshevskiy**, D. Kuznedelev, A. Babenko, D. Baranchuk
- **Rethinking Global Text Conditioning in Diffusion Transformers (ICLR 2026)** [arXiv] [Project page]
  N. Starodubcev, D. Pakhomov, Z. Wu, **I. Drobyshevskiy**, Y. Liu, Z. Wang, Y. Zhou, Z. Lin, D. Baranchuk

Teaching

- **Yandex School of Data Analysis** — Moscow, Russia
  Teaching Fellow — *Feb 2026 – Present*
  - **Visual GenAI**: Taught classes on diffusion transformers (DiTs), text-to-image architectures, distillation, and autoregressive video models. Helped create and grade homework assignments.
- **HSE University** — Moscow, Russia
  Teaching Fellow — *Sep 2025 – Present*
  - **Deep Learning**: Developed seminar materials and delivered seminars; contributed to course lectures and homework assignments.
  - **Research Seminar**: Guided discussions of foundational deep learning papers and taught students how to read, critically analyze, and present research.
- **HSE University** — Moscow, Russia
  Teaching Assistant — *Sep 2022 – Jun 2026*
  - **Courses**: ML/DL, Efficient DL Systems, DL for Audio, Matrix Computations, Linear Algebra, Calculus, Probability Theory and Statistics.

Skills

- **Skills**: Python, C++, PyTorch, CUDA, Triton, JAX, Git, Docker, LaTeX.
- **Languages**: Russian (Native), English (Upper-Intermediate), Polish (Upper-Intermediate).

Awards

- Yandex Scholar Award recipient (2026) for outstanding research in computer science.