

Dorin Daniil

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📧 danulkin • 🏠 Google Scholar

EXPERIENCE

Laboratory of Mathematical Methods of Optimization.....
Technician Oct 2023 – Oct 2024

Antiplagiat.....
Senior Researcher-Developer Nov 2024 – Present

- Image retrieval and image matching for plagiarism detection
- Machine-generated image detection, handwritten text recognition (HTR), VLM-based evidential image matching

TEACHING

- **Deep Learning** – Lecturer & Seminarian, MIPT, Sep 2024 – Present
- **My First Scientific Paper (m1p)** – Lecturer & Scientific consultant, MIPT, Feb 2023 – Present

PUBLICATIONS

- Dorin D., Kiselev N., Grabovoy A., Strijov V. **Forecasting fMRI Images From Video Sequences: Linear Model Analysis** // Health Information Science and Systems. – 2024. **Q1**
- Yarmoshik D., Rogozin A., Kiselev N., Dorin D. et al. **Decentralized Optimization with Coupled Constraints** // ICLR 2025. **A***
- Dorin D., Grabovoy A., Strijov V. **Enhancing fMRI Data Decoding with Spatiotemporal Characteristics in Limited Dataset** // Doklady Mathematics. – 2025. **Q2**
- Dorin D., Varlamova K., Grabovoy A. **Pairwise Image Matching for Plagiarism Detection** // Doklady Mathematics. – 2025. **Q2**
- Dorin D., Grabovoy A. **Evidential Image Matching: Predicting Transformation Sequences to Derive One Image from Another** // Computer Vision and Image Understanding. Under review. **Q1**
- Full list (6 published): Google Scholar

TALKS

- **AI Journey** – Nov 2025
- **22nd All-Russian Conference MMRO** – Sep 2025
- **66th–68th MIPT All-Russian Scientific Conferences** – 2024–2026

PROJECTS

- **Garage**. Generative augmentation framework for transforming object representations in images.
- **HippoTrainer**. PyTorch-compatible library for gradient-based hyperparameter optimization.
- **Just Relax It**. Python library for relaxation of discrete distributions in neural networks.

SUMMARY

Researcher in deep learning and computer vision: VLMs, image retrieval, image matching; applies computer vision in neurobiology (fMRI-EEG decoding). Substantial theoretical foundation and mathematical background.

EDUCATION

MIPT **Moscow, Russia**
PhD in Artificial Intelligence and Machine Learning
Sep 2026 – Present

MIPT **Moscow, Russia**
MSc in Computer Science
Sep 2024 – Jul 2026

MIPT **Moscow, Russia**
BSc in Applied Mathematics and Physics
Sep 2020 – Jul 2024

- Advisor: Andrey Grabovoy
- GPA: 4.88/5 (8.83/10)

ACHIEVEMENTS

- **2025-2026**: Russian Government Scholarship in priority areas
- **2025-2026**: G.I. Marchuk Scholarship
- **2023-2026**: K.V. Rudakov scientific academic scholarship (3 semesters)
- **2023-2026**: Personal scholarship in numerical optimization (4 semesters)
- **2020-2023**: Abramov scholarship for best-performing bachelor students

SKILLS

DL PyTorch, Huggingface, W&B
ML NumPy, SciPy, Pandas, Scikit-learn
Prog. Python, C
Misc. Git, Bash, $\LaTeX$, k8s

LANGUAGES

Russian (Native), English (Advanced)

INTERESTS

Gym, swimming