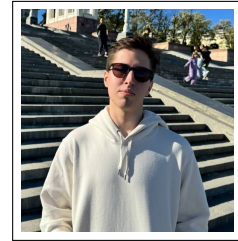


Dorin Daniil

Moscow, Russia

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EXPERIENCE

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

ACHIEVEMENTS

- **Spring 2023-2024:** 3rd degree personal scholarship for contributions to the development of numerical optimization methods
- **Fall 2023-2024:** K.V. Rudakov scientific academic scholarship for research activities in the field of applied mathematics
- **Fall 2023-2024:** 3rd degree personal scholarship for contributions to the development of numerical optimization methods
- **2020-2023:** Abramov scholarship for 1-3 year bachelor students with the best grades at MIPT

PROJECTS

- **Forecasting fMRI Images From Video Sequences: Linear Model Analysis**
Using linear models and testing hypotheses about the relationship between data. Article is in the process of review.
- **Decentralized Optimization with Coupled Constraints**
The scientific work was written under the supervision of the Laboratory of Mathematical Methods of Optimization and submitted to the NeurIPS 2024 conference.
- **Spatial-temporal characteristics in fMRI data decoding**
The article proposes a method for decoding multidimensional time series fMRI using spatial-temporal characteristics. The article is submitted to the AI Journey 2024 conference.
- **Garage: Generative Augmentation Framework for Transforming Object Representations in Images**
A study about generative augmentation, the work proposes a framework designed for generative image augmentation. The article is submitted to the EMNLP 2024 conference.
- **Optimization methods for quadratic problems with large dimensionality**
Comparison of different methods of solving high-dimensional linear regression problems.
- **Robust optimization in transport networks**
Project with Huawei in the laboratory.

TALKS

- **66th MIPT All-Russian Scientific Conference** – April 6, 2024
Spatial-temporal methods for time series analysis

SUMMARY

Aspiring researcher in the field of machine learning and optimization. Motivated for productive work and learning. Having a substantial theoretical foundation and mathematical background.

SKILLS

DL PyTorch, Huggingface
ML NumPy, SciPy, Pandas
OS Linux, Windows
Misc. \LaTeX

EDUCATION

MIPT **Moscow, Russia**
BSc in Applied Mathematics and Physics

- Thesis:
Spatial-temporal characteristics in the time series decoding
- Advisor:
Andrey Grabovoy
- GPA: 4.88/5 (8.83/10)

LANGUAGES

- Russian (Native)
- English (Advanced)

INTERESTS

- Gym
- Swimming