

ILYA SUDAKOV

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OBJECTIVE AND SKILLS

Fourth year student of HSE program "Applied Math and Computer Science", looking for research

Maths skills: Statistics, Probability, Matrix computations, Calculus

ML skills: Classical Machine Learning, Generative modeling, NLP, RL

Hard skills: Python (Torch, Sklearn, Numpy, Scipy, Pandas), C++

EDUCATION

Higher School of Economics, Moscow
Bachelor of Applied Math and Computer Science

Enrolled: September 2021 — Expected: June 2025
Current rating GPA 8.0

Yandex YSDA, Moscow
Bayesian Methods in ML, Reinforcement learning, Python

since September 2023

EXPERIENCE

Research Intern
HDI Lab, Faculty of Computer Science, HSE

since August 2024
Moscow, Russia

- Off-Policy Evaluation for Recommender Systems

Teaching assistant
Faculty of Computer Science, HSE

since September 2022
Moscow, Russia

- Math Statistics, Calculus, C++, Algorithms and Data Structures.

PUBLICATIONS

Ruppert-Polyak averaging for Stochastic Order Oracle

PROJECTS

Global gradient optimization methods HSE, 2023

- Research oriented, developed an algorithm for finding global minimum of continuous multimodal function among given set.

Riemannian Optimization for Link Prediction Using Tensor Decompositions HSE, 2024

- Research oriented, approach of using structure of Tucker model for optimization on Riemannian manifold of tensors of fixed mlranks.

Maths projects HSE, 2023

- background removal using SVD, ALS in recommender systems, fast Fourier transform of image and etc.

C++ projects HSE, 2022

- Image processor, file archiver, custom smart pointers and etc.

HONORS

Programming

- **YSDA, CV Week** - certificate
- **Yandex algorithm trainings 3.0** - winner
- **Yandex ML trainings** - certificate
- **Kaggle, Codeforces** - sometimes participate
- **Timus online judge** - 215 solved problems
- **Yandex Summer School** - analytics

Physics

- **International Zhautykov Olympiad** - gold winner
- **International Experimental Physics Olympiad** - gold winner
- **All-Russian Olympiad** - prize winner, best theory solution