ILYA SUDAKOV

tg: @sudakovcom ✧ Moscow

iasudakov@edu.hse.ru ✧ github.com/sudakovcom

OBJECTIVE AND SKILLS

Third 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 (Numpy, Scipy, Pandas, Sklearn, Torch), C++, SQL

Soft skills: Time management, leadership, responsibility

EDUCATION

Higher School of Economics, Moscow   Enrolled: September 2021 — Expected: June 2025
Bachelor of Applied Math and Computer Science   Current rating GPA 8.0

Yandex YSDA, Moscow   since September 2023
Bayesian Methods in ML, Reinforcement learning, Python

EXPERIENCE

Research Intern   since August 2024
HDI Lab, Faculty of Computer Science, HSE   Moscow, Russia

- Off-Policy Evaluation for Recommendation Systems

Teaching assistant   since September 2022
Faculty of Computer Science, HSE   Moscow, Russia

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

Product Analyst   Summer 2023
Yandex Summer School   Moscow, Russia

- Optimized the issuance of promotional codes for users.

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
  Riemanian manifold of tensors of fixed mlranks.

Maths projects   HSE, 2023

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

C++ projects   HSE, 2022

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

HONORS

Programming

- **Kaggle, Codeforces** - sometimes participate
- **Yandex algorithm trainings 3.0** - winner
- **Yandex ML trainings**
- **Timus online judge** - 215 solved problems

Physics

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