Yegorov Yegor

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Education

NRU Higher School of Economics / Faculty of Computer Science
BSc in Applied Mathematics and Computer Science | Advanced Informatics and Mathematics Flow | specialization in ML
September 2020 - Expected July 2024, Moscow/Russia
GPA for the first 3.5 years: 9.43/10
21st in the last student rating (top 8.03%)
Relevant Courses:

- Advanced Algorithms and Data Structures (9.7/10)
- Advanced C++ (9/10)
- Python (YSDA) (10/10)
- Bayesian Methods for Machine Learning (10/10)
- Large-Scale Machine Learning (10/10)
- Deep Learning 1, 2 (10/10)
- Machine Learning 1, 2 (9.5/10)
- Reinforcement Learning (YSDA) (10/10)
- Efficient Deep Learning (10/10)
- Deep Learning for Sound Processing

Relevant Experience

C++ Backend Development Internship at Yandex Market / 3 months full-time
July 2021 - October 2021, Moscow/Russia
Developed and implemented an algorithm of picking potentially valuable offers for tracing in the internal MapReduce system, that was then deployed to production.
Improved the quality of articles selection on the front search page of Yandex.Market including analysis of the relevance threshold value and its actualising.

C/C++ Development Internship at Kaspersky / 1 month full-time, 8 months part-time
July 2022 - April 2023, Moscow/Russia
Integrated Bazel in the existing building process of Kaspersky OS components.

ML Development Internship at Yandex Music / 3 months full-time
July 2023 - October 2023, Moscow/Russia
Implemented and evaluated several heuristics for candidates selection in the recommender system. Analyzed the use of new features for the ranking boosting model. Deployed a dashboard with metrics that are automatically recalculated each day via queries over large amount of data.

Publications

Egorov E. A., Rogachev A. I. "Adaptive spectral normalization for generative models" / EDN: GMMMKT
Doklady Rossijskoj akademii nauk. Matematika, informatika, processy upravleniâ (Q2 in Mathematics) 2023. – Vol. 514 #2
Proposed modifications to the spectral normalization algorithm that allow changing the strength of the discriminator limitation. Achieved improvement over the original method. The article has been selected and awarded at the AIJ Science 2023.

Achievements

All-Russian School Olympiads in Competitive Programming:

- Awardee of the Russian Olympiad in Informatics 2019 (81th place out of 4 236 pre-finalists)
- Winner of the NSU Olympiad 2019 (6th place out of 588 finalists)
- Winner of the ITMO Olympiad 2019 (17th place out of 362 finalists)

All-Russian School Olympiads in Mathematics:

- Winner of the MIPT olympiad 2019 (one of 248 winners out of ~4600 participants)
- Awardee of the NSU Olympiad 2019 (50th place out of 400 finalists)

Tinkoff Scholarship Awardee for 2023/24
Passed competitive selection (one of 200 awardees out of more than 13k contenders)

Skills

Programming Languages	Python, C++, C, Assembly x86
Frameworks and Libraries	PyTorch, NumPy, PySpark, pandas
Tools	Git, Bazel, CMake, Bash, Vim, GDB, LaTeX, SQL, WandB
Languages	English B2-C1 (studied in school with specialization in English) Russian (native)