GEORGE LOPATENKO

Software Engineer & IT Enthusiast, ML Engineer

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Check out my GH: github.com/Lopa10ko

EDUCATION

Bachelor of Software Engineering | *Information System and Techologies*   2021 – 2025
ITMO University   Saint-Petersburg, Russia

Presidential Physics and Math Lyceum №239   2019 – 2021
High school, russian TOP-5 prestigious schools   Saint-Petersburg, Russia

SKILLS

Programming: Python (NumPy, SciPy, Pandas, Pytorch, NLTK+SpaCy), Java (Core, Spring), Kotlin
Languages: English (Upper-Intermediate), Russian (Native)
Other: Microsoft Office Suite, LaTex, Git, Bash, Docker, SQL

WORK EXPERIENCE, PROJECTS

ML Engineer   Dec. 2023 – now
NSS Lab, Research Center "Strong Artificial Intelligence in Industry"   ITMO University
- Working on autoML opensource projects FEDOT and FEDOT.Industrial
- Helped in developing an Anomaly Detection module in FEDOT.Industrial

Most in-depth research winner (ML)
GazpromNeft
- Developed a neural network for rocks types classification using classic ML and database regulation patterns
- Adapted the solution to working conditions, achieved increase in precision from 60% to 85%
- Pitched the project to leading specialists and ML architects from GazpromNeft, estimated financial benefit: $43000 per month save on one mine facility

Most practical research winner (UAV)
GazpromNeft
- Developed a system for automated monitoring of the oil field using an UAV in Python
- Estimated financial benefit: $29000 per month save on one mine facility

PUBLICATION

Adaptive scheme of a genetic algorithm in graph optimization problems
Lopatenko G.V., Yamshchikova L.A. (2024)

Analysis of the provisions of the legislation of the RF related to the use of pipes that were in operation
Pshenin V.V., Lopatenko G.V., Borisov A.V., Lopatenko G.V., Nikitina V.S (2021)

HONORS AND AWARDS

Unified State Examination   2021
Scored 292/300, Math + Informatics + Russian

PhysTech Math Olympiad (Moscow Institute of Physics and Technologies)   2021
Olympiad winner, got scholarship at ITMO

International Tournament of Math Modelling (Moscow State University)   2018
Olympiad winner, 4/500 overall place