MAKSIM TROFIMOV

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EDUCATION

ITMO University — St.Petersburg
01.03.02 Computer technology: SWE and AI - Bachelor — *since 2021*

Yandex Academy Lyceum — St.Petersburg
Production programming on Python. Entered the top of the best students in Russia — *2020-2021*

AI Summer School "AIRI" — Sochi, Sirius
CV/NLP course from RAAI and RDLS — *2022*

EXPERIENCE

Yandex LLC — 2022
C++/Python backend developer. YANGO Anti-fraud Department

ACHIEVEMENTS

The best project in the AI summer school — Project: GitHub, 2022
Zero-shot object tracking by text query. Winner

Hackathon "Digital Breakthrough" — Solution: GitHub, 2022
Analyzer of legal errors in regulatory legal acts. Winner

Hackathon from Polytech — 2020-2021
1.Tracking of medical masks on faces. 2.Assistant for drawing up school schedules. Two-time winner

Hackathon "Tender Hack" — 2022
Automation system for participation in quotation sessions. Top-5

ITMO VK Olympiad — 2019
Winner

Open School Programming Olympiad — 2020
Winner

SCIENTIFIC CONFERENCES

Moscow "Potential 2020", computer science, mathematical modeling
Topic of the report: "Dependence of the capacity of a road section on the time of switching traffic lights"

PROJECTS

NFT generator | *Python, multiprocessing, PyQt5, numpy, matplotlib, PIL* — Link: GitHub
- An desktop application for generating collections of NFT images. Allows you to combine different colors of the paint layers, as well as various "accessories". Elements of processor parallelism are used for generation

WEB application for learning English | *Python, Flask, SQLite3, pyenchant* — Link: GitHub
- The application helps to learn words from the textbook dictionary. Generating words from a specific module for repetition and translating words (with auto-correction of typos)

Banking System API | *Java, Maven, SQLite3, Gson* — Link: GitHub
Multithread socket-server | *Java, Socket, Thread* — Link: GitHub
- A system with a terminal interface that uses its own API to communicate with the database of the banking system

Auto contrast of images | *C++, OpenMP* — Link: GitHub
- An auto-contrast algorithm is implemented for images *.ppm, *.pgm. Parallel programming elements are used

Financial Combinations Classifier | *C++, pugixml* — Link: GitHub
- A system that determines the type of financial combination

Telegram-bot | *Python, PyTelegramBotAPI, sqlalchemy, GoogleTranslateAPI* — Link: GitHub
- Mini-strategic online game for Telegram.

TECHNICAL SKILLS

Programming languages: Python, C/C++
SWE skills: MySQL, MongoDB, PostgreSQL, OpenMP, multiprocessing, FastAPI, Flask, Git, Docker
ML skills: numpy, matplotlib, pandas, keras, pyTorch