Sergey Kushneryuk

E-mails skushneryuk@gmail.com or kushneriuk.ss@phystech.edu
LinkedIn Sergey Kushneryuk
GitHub skushneryuk
Phone +79090224057

Education

2019 – present **Bachelor Degree in Applied Mathematics and Computer Science**, *Moscow Institute of Physics and Technology*, Department of Image Recognition and natural language processing founded by ABBYY.
GPA: 8.64/10.0

2021 – present **Maching learning developer academic program**, *Yandex School of Data Analysis*.

Previous jobs

Summer 2021 **SWE Intern**, *Yandex*, Yandex.Weather back-end.
C++, Python, Go + Go-templates, Google Protobuf

2020 – 2021 **Competitive Programming Tutor**, *SPGuide*.
Tutor in Competitive Programming school, teaching school students competitive programming (basic algorithms and data structures, C++ and Python languages)

Software skills

ML/DS Python: Pytorch (+Lightning), Catboost/XGBoost/LightGBM, Sklearn, NumPy, SciPy, Pandas; Pytest; R

Other C++, C, Go, Bash

Tools Git, Unix, Build systems (CMake), LaTeX, Jira/Confluence/Bitbucket

Other skills

Basic and advanced ML/DS models knowledge regularly used in practical study tasks

Strong algorithm and data structures knowledge, obtained at university courses and enhanced by participating in competitive programming contests and working as software engineer

Software engineer experience and Teamwork skills obtained by working on study and real (during internship in Yandex) projects and in team programming competitions

Study projects

2020 **Type Trainer**, Project for Python Course and Technology of Programming Course at MIPT.
Type-training game for helping children study type faster

2020 **NFA to minimal DFA Converter**, Project for Formal Languages Course at MIPT.
Converting NFA (nondeterministic finite automaton) to DFA (deterministic finite automaton), complete DFA and minimal DFA with printing of interim results and returning code to display automaton in LaTeX

2020 **Encryptor and Decryptor of cyphers**, Project for Python Coursee at MIPT.
Encode and decode Caesar, Vigenere and Vernam cyphers, hack Caesar cypher with use of existing texts, for example books, by counting letter frequencies

2021 **LOLCODE interpreter**, Entrance task for Compilers coursee at MIPT.
Mini-interpreter of esoteric programming language LOLCODE

Achievements

2020 **1/4 ICPC**, 61 place out of 277 in the team Red-Black Trio (Kushneryuk Sergey, Mikhailov Bair, Kukharenko Vladimir).
Video from award ceremony

Languages

Russian Native Speaker

English B2-C1 Upper-Intermediate