

EGOR KOLOBOV

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GitHub: <https://github.com/EgorKolobov>

EDUCATION

ITMO UNIVERSITY

BSc in Computer Science

- First year project: developed on C++ a Rubik's cube solver that simulates a random 3x3 Rubik's cube and generates a step-by-step solution for this specific simulation in the file
- Second year project: Python implementation of optimization methods using a derivative (gradient descent (with a fixed step and with splitting), steepest descent method, conjugate gradient method, Newton's method)
- First year mean grade: 85/100
- Second year mean grade: 84/100

Saint Petersburg
Russia
2019-2023

SAINT PETERSBURG PRESIDENTIAL LYCEUM №239

High school with focus on Mathematics and Physics

- SAT Score: 1380 (Math: 790 / 800, Evidence-Based Reading and Writing: 590 / 800)

Saint Petersburg
Russia
2015-2019

WORK EXPERIENCE

hiree | Startup project

Leading Software Developer

- *hiree* is a pet project that is aimed to create a B2B service for a seamless search and selection of top-talent job applicants on hh.ru and rabota.ru, Russia's largest online recruitment platforms
- Bottom-up development, design and implementation of main service features with Python
- Contemplation and introduction of major talent selection parameters, including frequency of workplace changes, availability of proven track-record and achievements, and overall quality of CV contents
- Creation, optimization and training of a neural network that identifies generic and basic CVs
- *hiree* is currently at its early stage with 2 developers involved in the project

Saint Petersburg
Russia
Sept. 2020-now

[software country](#) | Software Engineering Company

Intern Software Engineer

- took an active part in supporting and developing a service for work analysis of press machines - [SpencerMetrics](#)
- helped to release a new version of SpencerMetrics, fixed some minor bugs, worked on optimization.
- technologies used: Python2/Python3, Flask, CSS, SQL

Saint Petersburg
Russia
June. 2021-
Sept. 2021

ADDITIONAL EDUCATION

JETBRAINS

Summer School: Probabilistic Programming

- Introduction to Clojure and Anglican

Saint Petersburg
Russia
Aug. 2019

MASSACHUSETTS INSTITUTE OF TECHNOLOGY AND JETBRAINS

Winter Mini-Degree in STEM

- Topics covered during the course: linear algebra, calculus, Python programming, electricity and basic circuits, fundamentals of computer architecture, ROS and robot programming
- Graduation project: creation of a Duckietown robot that patrols specified area, chases and remotely deactivates other robots in the area based on their QR codes.

Saint Petersburg
Russia
Jan. 2019

- Video demonstration:



ONLINE COURSES

HARVARD UNIVERSITY EdX <i>Introduction to Artificial Intelligence with Python Data Science: Machine Learning</i>	Oct. 2021
STANFORD UNIVERSITY EdX <i>Algorithms: Design and Analysis, Part 1 Algorithms: Design and Analysis, Part 2</i>	Aug. 2021
YANDEX ACADEMY Stepik <i>Introduction into programming (C++)</i>	Apr. 2020
BIOINFORMATICS INSTITUTE Stepik <i>Python programming and Neural networks</i>	Mar. 2020
COMPUTER SCIENCE CENTER Stepik <i>Java programming</i>	Feb. 2022

SKILLS, HOBBIES AND OTHER

Programming Languages:

- Python (Advanced)
- Java (Intermediate)
- C++ / C (Intermediate)
- C# (Intermediate)
- Bash (Intermediate)
- JavaScript ()

Frameworks:

- Django (1 [pet-project](#), currently in development)
- Flask (participated in 1 project during my summer internship)
- NestJS (university project)

[CodeSignal](#)

Language Skills: English (C2), Russian (Native)

Hobbies: snowboarding

Citizenship: Lithuania, Russia