

EGOR KOLOBOV

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EDUCATION

ITMO UNIVERSITY

FTiP | Programming and Internet technologies

Saint Petersburg, Russia
Sept. 2019 – May 2023

- Average grade: 85.0 / 100.0
- Personal and course projects:
 - Website for an online store selling t-shirt on NestJS
 - Implementing gradient descent optimization in Python for Applied Mathematics course
 - C++ program for generating a random configuration of the Rubik's Cube (3x3) and its automated assembly

NATIONAL TSING HUA UNIVERSITY

Exchange semester on Computer Science department

Taiwan
Aug. 2022 – Feb. 2023

- Course project to create an application for organizing the delivery of goods in an urban environment, using spatial and graph databases
- Tech Stack: Django, neo4j, PostgreSQL, JavaScript, HTML, CSS, bootstrap

PRESIDENTIAL PHYSICAL - MATHEMATICAL LYCEUM №239

High School

Saint Petersburg, Russia
2015-2019

ADDITIONAL EDUCATION

COMPUTER SCIENCE CENTER | Stepik

Feb. 2021

- Java programming

HARVARD UNIVERSITY | EdX

Oct. 2020 – Nov. 2020

- Introduction to Artificial Intelligence with Python

- Data Science: Machine Learning

STANFORD UNIVERSITY | EdX

Aug. 2020 – Sept. 2020

- Algorithms: Design and Analysis, Part 1

- Algorithms: Design and Analysis, Part 2

INSTITUTE OF BIOINFORMATICS | Stepik

June 2020

- Courses "Programming in Python" and "Neural Networks"

АКАДЕМИЯ «ЯНДЕКСА» и ВЫСШАЯ ШКОЛА ЭКОНОМИКИ | Stepik

April 2020

- Course: "Introduction to Programming (C++)"

MASSACHUSETTS INSTITUTE OF TECHNOLOGY + JETBRAINS

Winter Mini-Degree in STEM

Saint Petersburg, Russia
Jan. 2019

- Robot programming under ROS with the function of patrolling a given territory and the ability to identify via a QR code and remotely turn off the target robot

WORK EXPERIENCE

Tinkoff Bank

Software Intern in Performance Testing department

Saint Petersburg, Russia
June 2022 – Oct. 2022

- Developed Gatling load testing scenario for the TiME internal corporate messenger (~35 million requests per day only in the testing department). Collection and analysis of messenger operation statistics, error monitoring.
- Developed Gatling tests for the gatling - picatinny plugin and optimization of tests used when launching new releases. Checking the compatibility of external libraries with the new release of the gatling plugin - picatinny
- Created a template for a load testing project on Gatling under Kotlin. The template contains all the necessary plugins and dependencies and allows you to interactively select the required components for a specific task
- Tech Stack: Scala, Gatling, SQL, Python, Maven, Gradle, Docker, Grafana

Sixhands

Junior Backend developer

Saint Petersburg, Russia
Feb. 2022 - June 2022

- Developed a registration and data validation part of OPERAX web service for geotracking construction machinery.
- Later on switched to working on developing tracking functions of OPERAX, which used GLONASS for geotracking
- Created a backend for internal company service, which adds new projects to the company's portfolio website. Project's description and settings (such as language, picture, etc.) are stored in a Google Sheet.
- Tech Stack: Python, Django, DRF, SQL, Docker

Software Country (ex. Arcadia)

Software Engineering Intern

Saint Petersburg, Russia
June 2021 – Sept. 2021

- Took an active part in the optimization and support of SpencerMetrics, a service for analyzing the work of more than 1000 industrial presses for various companies in Europe and the USA
- Helped to release new version of SpencerMetrics, fixed a series of major bugs and updated README
- Tech Stack: Python2/3, Flask, SQL, Docker

- Developed a service for metasearch and targeted selection of resumes according to specified parameters in the Head Hunter , Rabota.ru and SuperJob databases.
- Developed main functionality on Django , which allows you to select resumes of candidates by key parameters, including the frequency of job changes, the "template" of the resume, experience and specific results and career achievements. The service saves links to the most relevant resumes in a separate database.
- The project brought the project to a working state and allows you to collect and filter data via API and using web scraping
- Tech Stack: Python, Django, beautifulsoup, requests, bootstrap, HTML

SKILLS AND HOBBIES

Programming languages: Python, JavaScript, TypeScript, C/ C++, Java , Scala , C #, Bash,

Frameworks: Django, Flask, React, Gatling , NestJS

Foreign languages: English (C2, TOEFL: 101 / 120)

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

SAT Subject Test Mathematics Level 2: 770 / 800

Hobbies: snowboarding, powerlifting, travelling, history