

Viktoriia Erokhina

WORK EXPERIENCE

2021, JUNE – NOW

Feedonomics (Remote, USA) *Tech Lead*

Developing the robust platform that optimizes clients' product data and automatically gets their products listed on hundreds of marketplace channels.

2020, OCTOBER – 2021, JUNE

Google Health (London, UK) *Software Engineer*

Developed solutions to improve stability and performance of the central medical search service. Solutions include designing and implementing load testing strategies, scaling production and testing environments, optimizations to meet SLI. Worked mostly with C++ and internal Google technologies.

2020, JANUARY – 2020, JUNE

Yandex (St Petersburg, Russia) *Software Developer*

Worked on the backend of a web service that supports small and medium businesses in Russia: businesses attraction, promoting them on Yandex's services, showing stats, etc. Involved in both infrastructure (optimizations, stability) and product tasks.

2019, JULY – OCTOBER

Google (Zurich, Switzerland) *Software Engineering Intern*

Worked on Google Shopping team. Developed a fully automatic system of delivering translations of related sets of products that evolve in time. The system consists of several C++ pipelines that retrieve a huge number of sets, localize them into target languages and serve them to the user.

2018, JULY – SEPTEMBER

Google (London, UK) *Software Engineering Intern*

Developed a feature in Play Developer Console to improve stability and simplicity of development Android apps downloading additional APK modules on-demand. Used Java and Google frameworks. Second project solved the problem of testing APKs generated by Play. Designed an RPC that fetches the relevant APKs from Play, serves a wide variety of use cases and scales.

2017, DECEMBER – 2018, JUNE

VK (Saint Petersburg, Russia) *Software Engineer*

Worked on API team in VK, the largest social networking service in Russia. Developed a library called PHP SDK to provide developers with a set of handy methods to use the API of VK.

SOFTWARE SKILLS

GOOD LEVEL Java, C++, Python, PHP, SQL, JavaScript, HTML, CSS, git

INTERMEDIATE C, TypeScript

BASIC LEVEL Haskell, Clojure, OCaml

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EDUCATION

2016 – 2020 **ITMO University, (Saint Petersburg, Russia)**
BS IN COMPUTER SCIENCE
Faculty of Applied Mathematics and Informatics

2012 – 2016 **Presidential Mathematical Lyceum 239, (Saint Petersburg, Russia)**
HIGH SCHOOL
Top 10 Russian Schools by RAEX 2016

2013 – 2016 **Summer Informatics School, (Kostroma, Russia)**
STUDENT
Studied and applied on practice different algorithms and data structures

PROJECTS

2020

Research Project [\[source\]](#)

Recoverable Lattice Agreement

Developed a recoverable algorithm solving generalized lattice agreement problem in asynchronous, shared-memory system. The implementation is wait-free and utilizes only read/write operations on atomic registers.

2017

[Source code](#)

Big Integer

Implemented class BigInteger for different operations with numbers of any size. In order to improve the performance, copy-on-write and small-object optimizations were applied. The project is written in C++, built with help of CMake, unit-tested with GoogleTest library.