Vikhnin Fedor

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EDUCATION

CURRENT, FROM SEP 2019

ITMO University
Bachelor of Computer Science

I have 4.37 / 5 GPA. Also I am winner of award for educational excellence from Huawei in 2021 year, from Serokell in 2021 year and from Selectel in 2022 year. At the moment I am preparing an article on Drift Analysis written in cooperation with my Probability Theories professor for publication.

SEP 2015 – JULY 2019

Physics and mathematics lyceum №239
Student

In 2016, 2017, 2018 and 2019 I was awarded "golden tie" for educational excellence. From 2017 until 2019 I had been a member of Theoretical Physics Laboratory and three times prize winner of All-Russia Physics Contest.

WORK EXPERIENCE

CURRENT, FROM SEP 2022 (PT)

Huawei Research Center
UI Framework Engineer

Our team is working on cross-platform reactive UI Framework based on positional memoization concept. Written in TypeScript with parts of C++ and Java (for Android applications). I am developing components and applications for commercial purposes and also integrating features for Android devices. Stack of technologies: JNI, V8, Java, C++, TypeScript, Anrdoid and Skia library.

SEP 2021 – JUNE 2022 (PT)

Yandex.Direct
Intern Software Engineer

I was developing project named "Smart Strategies" - upgrade of current advertisement mechanism to combine relevant settings of existing campaigns. This project written in Java and Kotlin and it is Spring boot application with dependencies on GraphQL, jOOQ, Postgres and Protobuf. Testing frameworks: Mockito and Spring.

JUNE 2021 – AUG 2022

Computer Science Laboratory at ITMO University
Intern Researcher

We was writing article called "Additive Drift with Tail Bounds: Comparing the Existing Approaches" for three months. During this project we proofed "Drift Theorem for Lower Bounds" originally published in "Hitting-time and occupation-time bounds implied by drift analysis with applications" authored by Bruce Hajek in 1982

AWARDS

2017, 2018, 2019	**Prize-winner** *Regional Stage of the All-Russian School Olympiad of Physics*
2018	**Prize-winner** *Regional Stage of the All-Russian School Olympiad of Maths*
2021	**Winner of the award** *Award for educational excellence From Huawei*
2021	**Winner of the award** *Award for educational excellence From Serokell*
2022	**Winner of the award** *Award for educational excellence From Selectel*

COMPUTER SKILLS

EXPERT	Java, JavaScript, TypeScript, Kotlin, Haskell, Python
INTERMEDIATE	C/C++, HTML, CSS, Clojure, Prolog, SQL, Bash, Arend, LaTeX
BEGINNER	Scala, Rust

LANGUAGES

FLUENT	Russian
ADVANCED (C1)	English

PROJECTS

DECEMBER 2021

Lazy Language "HI"

Custom lazy language written in Haskell with basic math, object and binary data operations.

JULY 2022 – PRESENT

Event Designer

Project developed with my group mates for creating and organizing events for people, which requires little input from users.

SEP 2022 – PRESENT

Telegram bot sync python library

Library for developing bots with simple databases as finite-state machines and to maintain them on Yandex.Cloud services.