Nikita Ilin

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OBJECTIVE

A programmer and traveler with a strong Olympiad math background. I had and have a lot of passion for fundamental fields: at school it was combinatorics and graph theory, then C++ and multithreading, right now I am making steps into software architecture and design. Alongside with it, I really like to compete (math diplomas make that clear) and have a lot of ambitions - sometimes it produces problems with idealism that I am working on but it also gives me enough power to have some unique impact on projects. The war and other circumstances have shaken up my biography, so my CV may seem strange, but still pretty interesting in my opinion)

EXPERIENCE

HFT NDA — Oct 2023 - Jan 2024
Quantative researcher — Dubai, UAE
- Inventing high-frequency trading models
- Research hypotheses in python jupiter notebook with using standart libraries like Pandas, NumPy and Matplotlib
- Designing and porting a test model to C++ using a special internal framework for subsequent testing and improvement

Ethflow inc. — Apr 2024 - Feb 2025
Software engineer — Remote
- Providing a software for cryptocurrency trading
- Working with various smart contracts
- Designing and implementing microservices on Go language

4U Development (startup) — May 2025 - Current time
Software engineer — Remote
- Full refactoring of the core infrastracture on Go language
- Working with Telegram MTProto and low level client API, implementing own client
- Designing new methods of serving and processing updates

EDUCATION

High School of Economics, Moscow, Russia — Sep 2023 - Current time
BSc in Computer Science and data analysis — GPA: 8.07/10.0

Neapolis University Pafos, Paphos, Cyprus — Oct 2022 - Aug 2023
BSc in Applied Computer Science granted by JetBrains — GPA: 8.15/10.0

Presidential Physics and Mathematics Lyceum №239, Saint Petersburg, Russia — Sep 2015 - May 2022
5th - 11th grade — GPA: 4.06/5.00

Mathematical Center at the 30 and 239 Lyceums, Saint Petersburg, Russia — Sep 2014 - May 2022
Additional education in Olympiad mathematics

ACHIEVEMENTS

First prize	IMC - International Mathematics Competition for University Students	2023
Participant	NEERC (ICPC semi-final) from Cyprus ("Ungifteds" team)	2023
2000+ rating	CodeForces platform	2023
Prize-winner	All-Russian Olympiad of schoolchildren in mathematics for the 11th grade	2022
Prize-winner	All-Russian Olympiad of schoolchildren in mathematics for the 10th grade	2021
Participant	All-Russian Olympiad of schoolchildren in physics for the 9th grade	2019
Participant	Eight educational programs of the Sirius Educational Center	2017 - 2022
Many diplomas	Regional Olympiads in mathematics, physics, economics, computer science and e.t.c.	2019 - 2022
Many diplomas	Prestigious St. Petersburg City Olympiad in Mathematics	2016 - 2022
Many diplomas	All-Russian Euler and Maxwell Olympiads	2017 - 2019

TECHNICAL SKILLS

Main programming language: Go, C++
Other languages: Python, Rust, Kotlin, Assembler, PHP
Web Technologies: HTML, CSS, JavaScript
Miscellaneous: SQL, Redis, Git, Kafka, Shell, Latex

TECHNICAL KNOWLEDGE

Computer Science: Bases of Machine and Deep Learning, Data Structures and Algorithms, Multithreading, Computer Architecture

Mathematics: Discrete Maths, Probability and Statistics, Math Analysis, Linear Algebra, Olympiad Mathematics