

# 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  
Dubai, UAE  
Quantative researcher

- Inventing high-frequency trading models
- Research hypotheses in python jupyter 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  
Remote  
Software engineer

- 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  
Remote  
Software engineer

- Full refactoring of the core infrastructure 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

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

## TECHNICAL SKILLS

<b>Main programming language:</b> Go, C++	<b>Other languages:</b> Python, Rust, Kotlin, Assembler, PHP
<b>Web Technologies:</b> HTML, CSS, JavaScript	<b>Miscellaneous:</b> 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