

# Gleb Pakhomov

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## Education

ITMO University	Saint-Petesburg
FITIP, Software engineering	September 2024- 2028

## Experience/Interests

C++ Backend Developer	Alt LLC	since July 2024
• My team and I write telegram bots. Now we are developing a large bot with a microservice architecture. There are services with logic, communication with services like brokers and DB, and a head service that is responsible for the complex operation of the application.		
C++ Junior Developer	ITMO University FET courses	September 2023- February 2024
• I learned QT framework for UI work in C++. The most interesting case was to write an application for bus tracking. We in a team competed with Senior developer for the allotted time. The application should show the bus status, current stop, route and driver information. I broke down the technical task into sub-tasks, started writing and then combined the code into a single programme.		
C++ Programming Technologies	ITMO University AIP courses	September 2022- April 2023
• Comprehensive study of C/C++ up to the work with multithreaded programming. The best case study was writing a multithreaded snake on a tight deadline. I was put in a lead role and given the task of writing the logic to generate fruit randomly on a given surface for a game. I then put the written part together into a single code and passed it on to other teams to merge with.		
C++ Introduction to Programming	Stepik courses	September 2021- June 2023
• Solving logical problems for optimal problem solving.		
Programming Olympiads	School and student olympiads	since September 2021
• All-Russian Olumpiad 2-time medallist		
• SBER hackathon winner		
• Yandex IT Olympiad 2-time winner		
• NTO medallist		
CTF Summer school	ARSIB	August 2023
• Top 1 in the team classification		
• Top 2 in the individual classification		

## Technical Skills

Programming Languages: C/C++, Python, Haskell
Frameworks: QT, Flask, GoogleTest, Drogon
Tools: Linux, Git, Docker, Clion, VS Code, STL, Markdown, PostgreSQL, SQLite, Kafka, Bash, Wireshark, Figma

## Projects

• StegLove - App with QT web engine, Linux server for analyses file on Steganography, DB for save sessions
• UUID List - Identity standard resolving name conflict in distributed systems
• Router using Yandex API - Builds an optimal route between any cities with and without connections
• Unrolled Intrusive Linked List - STL compliant container using intrusive nodes and pointers
• Task Schudler - Execution of data-related tasks, using multithreaded calculations
• Fast Distance Multiplication of Unit-Monge Matrices for LCS
• Battleship - Console bot application with different strategies
• Abelian sandpile model - A simplified sand pile model that allows you to save your states to a BMP image
• Log Analyser - A lightweight utility for quick analysis of log files
• Arg Parser - Command line argument analyser with smart pointers for storing, passing values