

# Afonkin Pavel

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## EDUCATION

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### Higher School of Economics

St. Petersburg, Russia

*Bachelor of Applied Mathematics and Computer Science*

*Class of 2026*

**Relevant courses:** C++17, Computer Architecture and Operating Systems, Algorithms and Data Structures, Linear Algebra and Geometry, Calculus, Discrete Mathematics, Python.

## SKILLS

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**Programming Languages:** C++17, Python, C, Bash, Swagger

**Developer Tools:** Git, GDB, Terminal, CMake, Qt Creator

**Frameworks:** Boost, Doctest

**Skills:** Algorithms and Data Structures, Linear Algebra, Unit-testing, Graphics Programming

**Languages:** Russian (Native), English (B2)

## PROJECTS

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[LaTeX Editor](#) | C++, QT creator, MongoDB

Jan. 2023 – Present

*LaTeX Editor. Convenient for new LaTeX users. Also has online connection to document, developed by 3 freshmen as a course project.*

- Responsible for most of project's design.
- Write most of project's code editor.
- Work with project's database.

[C++ labs](#) | C++, Cmake, Boost, ncat

Sep. 2022 – Present

- All the written code is cross-platform and is tested on multiple compilers.
- Implementation of smart pointers.
- Unit Testing Framework based on macros.
- Various projects that have been written on topics such as Object-oriented programming, Smart pointers, Data structures, Dynamic shared libraries, Parsers, Error processing, Working with multithreading and networking

## EDUCATION COURSES

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**Tinkoff Generation A'** | Courses in Algorithmic programming and Data Structures

Sept. 2021 – May. 2022

**School of Olympiad training in Innopolis** | B, A Parallel in Algorithm and Data Structures

Jul. 2020, 2021

**Moscow Gathering** | Gathering for the final of the All-Russian Olympiad for schoolchildren

Feb. 2022 – Mar. 2022

## OTHER ACHIEVEMENTS

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**Final of the All-Russian Olympiad for schoolchildren** | 98th place

Mar. 2022

**Moscow Olympiad in Informatics** | Third degree diploma

Apr. 2022

**Olympiad of the Higher School of Economics in Informatics** | Third degree diploma

Feb. 2022

**1/4 ICPC** | Ranked 22 out of 100

Nov. 2022