GRIGORIY NOVITSKIY

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EDUCATION

Higher School of Economics   St. Petersburg, Russia
Bachelor of Applied Mathematics and Computer Science   *2022 - 2026*
GPA 7.63/10

Relevant courses: C++, Algorithms and Data Structures, Linear Algebra and Geometry, Calculus, Discrete Mathematics, Fundamentals and methodology of programming, Haskell.

PROJECTS

New feature in ClickHouse github repo | *C++*   Summer 2023
- I have worked on an issue in ClickHouse, a popular open source analytical database.
- I have added a flag to a CLI tool which reformats SQL queries. The flag allows to hide sensitive information (passwords, encryption keys) from reformatted SQL queries output.
- I have compiled the database from the sources, navigated and understood the relevant parts of the codebase, added my modification, and adressed code review comments.

Word learning app github repo | *C++, QT Creator, Swagger, PostgreSql*   Winter 2023 - Summer 2023
- The app consists of a personal dictionary, flashcards, and a crossword-style game. The dictionary is stored on a server.
- Team project, my teammate worked on the UI and flashcards.
- I worked on the dictionary, crossword-style game, and the server.
- I have implemented the personal dictionary, allowing to add, view and remove words (local logic, and server logic).
- I have stored basic word statistics for flashcards and the crossword-style game on the server.
- I have implemented the crossword-style game (local logic).

C++ labs | *C++, Boost, CMake*   2022 - 2023
- All the written code is cross-platform and is tested on multiple compilers.
- Unit Testing Framework based on macros.
- Implementation of smart pointers.
- I have wrote multiple other projects on topics such as Object-oriented programming, Smart pointers, Data structures, Dynamic shared libraries, Parsers.

TEACHING

Teaching olympiad mathematics to high school students   2022 - Present
                                               Lyceum No. 239, Saint Petersburg, Russia

OTHER ACHIVEMENTS

Saint Petersburg state university olimpiad | *top 5% out of 50000 participants all over Russia*   Winter 2021

SKILLS

Programming Languages: C++, Bash
Developer Tools: Git, GDB, Qt Creator, Swagger
Frameworks: Boost, Doctest,