Yurii Filatov

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EDUCATION

Higher School of Economics   St. Petersburg, Russia
Bachelor of Applied Mathematics and Computer Science   *Class of 2026*
GPA 7.41/10
Relevant courses: C++17, Algorithms and Data Structures, Linear Algebra and Geometry, Calculus, Discrete Mathematics, Fundamentals and methodology of programming

SKILLS

Programming Languages: C++17, Python, Bash
Developer Tools: Git, GDB, Qt Creator, Swagger
Frameworks: Boost, Doctest, Flask

PROJECTS

C++ labs | *C++, Boost, Cmake*   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

LaTeX code editor | *C++, Qt Creator, Swagger, MongoDB*   Feb.2023 – Present
- Modern editor for LaTeX. Convenient for new users, has a low barrier to entry.
- It has the ability to work together on one project
- Wide functionality: easy work with mathematical formulas, text highlighting and padding, pdf preview, document templates and others

Project from hackathon for SESC RF | *Python, Flask*   1-7 Nov.2021
- The project was written for Tochka bank.
- The project optimizes the work of managers who interact with clients.
- Manager allocation algorithm based on Kuhn's algorithm and flow theory.

COMPLETED EDUCATIONAL COURSES

Moscow Workshops Junior	*Courses in algorithmic programming and data structures*	Mar. 2022
Tinkoff Generation A'	*Courses in algorithmic programming and data structures*	Sep. 2021 - May 2022
MIPT Summer Olympic School	*Highest Parallel Learning in Algorithmic Programming*	Jul. 2021
Algorithms and data analysis in Sochi Sirius	*Advanced Courses in Algorithms and Data Analysis*	Dec. 2020
School of Olympiad training in Innopolis	*B Parallel Learning in Algorithms and Data Structures*	Jul. 2020

OTHER ACHIVEMENTS

1/4 ICPC	*Ranked 22 out of 100*	Nov. 2022
Olympiad of the Higher School of Economics in Informatics	*Second degree diploma*	Feb. 2022
Twenty Second Russia Team Open, High School Programming Contest	*Third degree diploma*	Dec. 2021
Moscow Open Olympiad for Schoolchildren in Informatics	*Third degree diploma*	Apr. 2022
ITMO Open Olympiad in Informatics	*Absolute Winner*	Mar. 2021