

Grigorij Stafeev

C++, JAVA DEVELOPER

Vyazemsky lane 5/7, Saint Petersburg, 197022, Russia

☎ (+8) 912-748-50-57 | ✉ stafeevgrigorij@gmail.com | 📱 staf02 | 📧 staf02

“Judge not lest ye be judged”

Summary

Ambitious, goal-oriented C++/Java developer who loves complex tasks and knows how to solve them

Programming Skills

Language	C++20, Java 11 (experienced), Python3, (familiar)
Knowledge	Algorithms and Data Structures, Discrete Math, Math analysis, Linear Algebra, Probability theory
Technologies	GTest, Git, TeX , JUnit, Bash, Qt

Projects

Huffman archiver

Saint Petersburg, Russia

C++

July 2022

- Console utility with compress and decompress functionality using Huffman algorithm.
- <https://github.com/staf02/huffman-archiver>

Mandelbrot fractal renderer

Saint Petersburg, Russia

C++

February 2023

- Uses parallelism to calculate the Mandelbrot fractal
- Uses Qt library for rendering
- <https://github.com/staf02/mandelbrot>

Algorithms and data structures from `::std` and `::boost` implementation

Saint Petersburg, Russia

C++

December 2022

- C++ 03 implementations of `std::vector`, `std::list`, optimized vector, big integer
- C++ 20 implementations of `std::variant`, bidirectional map `std::shared_ptr`, `std::function`, `std::optional`, `std::tuple`, `boost::intrusive list`, `boost::intrusive_ptr`, `qt::signal`
- <https://github.com/staf02/variant>
- <https://github.com/staf02/bimap>
- https://github.com/staf02/big_integer
- <https://github.com/staf02/socow-vector>
- <https://github.com/staf02/optional>
- <https://github.com/staf02/tuple>
- <https://github.com/staf02/function>
- https://github.com/staf02/intrusive_list
- https://github.com/staf02/intrusive_ptr
- https://github.com/staf02/shared_ptr
- <https://github.com/staf02/signal>
- <https://github.com/staf02/vector>
- <https://github.com/staf02/linked-list>

Expression-parser

Saint Petersburg, Russia

JAVA

February 2022

- Wrote a Java application for parsing and evaluating mathematical expressions
- Made using OOP principles to reduce repetitive parts of code
- Implemented polymorphism to be able to use different data types
- <https://github.com/staf02/ExpressionGenericParser>

Education

ITMO University

BACHELOR OF SCIENCE: MATHEMATICS AND COMPUTER SCIENCE

Saint Petersburg, Russia

2021 - now

Honors & Awards

PERSONAL

2021	Semifinalist , All-Russian Programming Olympic	Russia
2021	Winner (500+ participants, top 20%) , All-Siberian Programming Olympic	Russia
2021	Winner (1000+ participants, top 20%) , Olympiad of St. Petersburg State University in Programming	Russia
2020	Winner (1000+ participants, top 20%) , Olympiad of St. Petersburg State University in Programming	Russia
2021	Winner (1000+ participants, top 20%) , Moscow School Olympiad in Programming	Russia
2020	Winner (1000+ participants, top 20%) , Olympiad "PhysTech" in mathematics	Russia

TEAM

2020	Winner (1000+ teams, top 20%) , All-Russian Programming Olympic	Russia
------	--	--------