

Maria Barkovskaya

Curriculum Vitae

✉ barkovskaya.maria@mail.ru
🌐 <https://github.com/mmmmmarrryyy>
some names in CV are referal to github projects

Education

2021–nowadays The Faculty of Mathematics and Computer Science, Modern Software Engineering, Saint-Petersburg State University, Saint-Petersburg, Russia, a second-year student (GPA: 4,23)

Contests

2022 ICPC 2022–2023, North-Western Russia Regional Contest, 30 place

Software Development Experience

- 03.2023–nowadays Mobile Build Engineering, assembly of a chat client based on the Matrix - Element protocol, with some of its own settings, but especially with a stitched company domain name, for iOS, Android, Mac&PC, Swift, Kotlin
- 12.2022 ISA, a translator program (disassembler), with which you can convert machine code into program text in assembly language; Familiarity with the RISC-V instruction set architecture, C++
- 11.2022–12.2022 Processor-Cache-Memory Simulator, building a cache and modeling the processor-cache-memory system in the Verilog description language., Verilog
- 10.2022 NFA/DFA Simulator_Converter_Minimizer, NFA and DFA Simulator; Converter NFA to DFA; DFA Minimizer, Kotlin
- 11.2021–12.2021 Sport Management System, a system of organization for sports competitions in one of the cyclic sports: running, cross-country skiing, swimming, cycling, orienteering, etc. (work in team of 3 people), Kotlin
- 12.2021 BMP Editor, BMP format image editor for cropping and rotating images, C
- 10.2021–11.2021 Data Visualization, Console App for drawing common types of diagrams (pie charts, histograms, scatterplots, etc.), the program draws a diagram in a graphical window and saves the result to a file, Kotlin
- 10.2021 Key-Value DataBase, A console interface to the database that supports operations for searching, inserting and deleting text values by their corresponding text keys, Kotlin
- 09.2021 Diff utility, Console app that compares two texts line by line and shows which lines need to be deleted/added in order to get one text from another one, Kotlin

Technical Strengths

- Advanced Git skills
- Good Knowledge of Algorithms (Graph, String, DP, etc) and Data Structures
- Basic Knowledge of OOP
- Knowledge of Data Bases
- Knowledge of C++, Kotlin, Python, PostgreSQL, basics of Swift, C

Soft skills

- Team player. Able to easily find a common language with others
- Excellent time management skills. Control my time and observe work-life balance
- Constant self-development. Constantly working on both technical skills and other areas of my life (hobbies, relationships, financial literacy, etc.)

Languages

Russian	Native speaker
English	B1-B2 level
German	Beginner level