

Maria Barkovskaya

Curriculum Vitae

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🌐 <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)

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– 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 Simulatorr; Converter NFA to DFA; DFA Minimizer, Kotlin
- 11.2021– 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– 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
- 11.2021 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