

# Maria Barkovskaya

## Curriculum Vitae

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🌐 <https://github.com/mmmmmarrryyy>

some names in CV are referral 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, top 30

### 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 for iOS, Android, Mac&PC (work in team), tools/languages: YAML, Fastlane
- 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, tools/languages: C++
- 11.2022– 12.2022 Processor-Cache-Memory Simulator, building a cache and modeling the processor-cache-memory system in the Verilog description language, tools/languages: Verilog
- 10.2022 NFA/DFA Simulator\_Converter\_Minimizer, NFA and DFA Simulator; Converter NFA to DFA; DFA Minimizer, tools/languages: Kotlin
- 11.2021– 12.2021 Sport Management System, system of sports competitions organization in one of the cyclic sports: running, cross-country skiing, swimming, cycling, orienteering, etc. (work in team), tools/languages: Kotlin
- 12.2021 BMP Editor, BMP format image editor for cropping and rotating images, tools/languages: C
- 10.2021– 11.2021 Data Visualization, Console App for drawing common types of diagrams, the program draws a diagram in a graphical window and saves the result to a file, tools/languages: 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, tools/languages: Kotlin
- 09.2021 Diff utility, Console diff implementation, tools/languages: Kotlin

### Technical Strengths

- Git skills
- 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