ANASTASIA KAIMAKOVA

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SUMMARY

Young goal-oriented developer, open to new and interesting experience

EDUCATION

Bachelor of Applied Mathematics and Computer Science, ITMO University   2021 - 2025

SKILLS

Programming Languages	Java, Kotlin, C++, JavaScript (familiar), Python (familiar)
Technologies	Git, Bash, LaTeX
Knowledge	Algorithms and Data Structures, Discrete Math, Math Analysis, Linear algebra, Operating Systems

EXPERIENCE

Teacher of Algorithms and Data Structures   Jul 2021, Sep 2021 - May 2022
Center of additional education «Poisk»   *Stavropol, Russia*
ITMO University   *Saint Petersburg, Russia*

- Preparation for participation in school Olympiads in Informatics. Lectures, homework checking and solving tips.

PROJECTS

Expression Parser – Code for parsing and evaluating mathematical expressions with input and calculating errors checking.

Markdown to HTML – Markdown to HTML converter. Inline markup elements: emphasis, strong emphasis, strikethrough, code, headers.

Scanner – Implementation of an analogue of the Scanner class based on Reader.

Android Contacts list app – Displays a list of existing contacts. Asks for permission for reading. Opens a call app when click on a number.

Android Calculator app – Simple calculator with tests for implementation.

Android Chat app – Chat with two-panel design with MVVM.

Vector with optimisations – std::vector implementation with small-object and copy-on-write optimisations.

PE-parser – PE signature verification, output list of executable dependencies, list of imported functions and list of exported functions.

JavaScript expressions – Functional and Object parsers for math expression.

ArraySet – Implementation for immutable ordered set.

Files crawler – A class that calculates the hash sums of files in directories.

Parallelism – A class that processes lists in multiple threads..

WebCrawler – a thread-safe class that crawl sites recursively.

Implementor – Generation of implementation of interfaces and classes.

AWARDS

- **Prize-winner**, Olympiad of St. Petersburg State University in Informatics   2021
- **Prize-winner**, Moscow School Olympiad in Informatics   2021
- **Prize-winner**, Open Olympiad for Schoolchildren in Informatics from ITMO University   2020
- **Participant**, Open final of Moscow training   2020