

Matvey Kolesov

COMPUTER SCIENCE · SOFTWARE ENGINEER

Saint Petersburg, Russia

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Education

ITMO University

September 2020 - June 2024

BACHELOR OF SCIENCE IN **APPLIED MATHEMATICS AND COMPUTER SCIENCE**

Saint Petersburg, Russia

Information Technologies and Programming Faculty, **Computer Technologies** Department

- **GPA:** 99.5 out of 100
- **Relevant coursework:** Algorithms and Data Structures, Discrete Math, Java, C++, Web technologies, Operating systems

Projects

File tree walker

February 2022

CONSOLE APPLICATION

Saint Petersburg, Russia

- Wrote **Java** application which walks through the file system tree and calculates SHA-1 hash of files
- There are two versions of app: recursive and non-recursive

Mini Codeforces

December 2021

FRONTEND, BACKEND

Saint Petersburg, Russia

- Wrote frontend in **JavaScript** using **Vue.js** framework
- Wrote backend in **Java** using **Spring** framework

Mathematical expressions Parser

April 2021

PARSER

Saint Petersburg, Russia

- Wrote **Clojure** app for parsing and computing math expressions
- Used combinatorial parser for parsing
- Expressions are converted to objects, which can evaluate them or calculate derivative function

Mathematical expressions Parser

March 2021

PARSER

Saint Petersburg, Russia

- Wrote **Java** app for parsing and computing math expressions
- Used polymorphism for implementing the ability to add various types of data in which computing math expressions will be made and OOP for creating different operations and to reducing repeating parts of code

Converter from Markdown to Html markup

December 2020

PARSER

Saint Petersburg, Russia

- Wrote **Java** app for converting a Markdown (some subset) file to Html file

Achievements

INTERNATIONAL

2020 **Finalist (2000+ participants)**, Innopolis Open Olympiad in Informatics Kazan, Russia

FEDERATION

2020 **Medalist (100+ participants)**, Russian National School Olympiad in Informatics (final stage) Moscow, Russia

2020 **3rd place (500+ participants)**, Programming Olympiad "TechnoCup" (final stage) Moscow, Russia

2020 **1st place (500+ participants)**, Siberian Open School Olympiad in Informatics (final stage) Kazan, Russia

2020 **1st place (100+ participants)**, Open School Olympiad in Informatics (final stage) Saint Petersburg, Russia

Skills

Programming Languages Java, JavaScript, Clojure, C++, C, Rust, Assembler

Frameworks & Tools Git/GitHub, Docker, Spring, React, Vue