

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:** 5 out of 5
- **Relevant coursework:** Algorithms and Data Structures, Discrete Math, Computer Architecture, Java, JavaScript, C++

Projects

Mathematical expressions

April 2021

PARSER

Saint Petersburg, Russia

- Wrote **JavaScript** program with a set of objects for representing and computing mathematical expressions, derivative computing
- Wrote parser of expressions written in Reverse Polish notation
- Wrote expression parser in prefix / postfix notation with error handling

Expression Parser

March 2021

PARSER

Saint Petersburg, Russia

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

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

MNK-game

November 2020

COMMAND-LINE **JAVA** APP

Saint Petersburg, Russia

- Create app for playing the MNK-game on a rectangular or rhombic board of arbitrary size
- Two players play - people or computer

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, C++

Frameworks & Tools Git/GitHub