

Maria Okorochkova

Email: okorochkova02@gmail.com

Telegram: [@maladetska](https://www.instagram.com/maladetska)

Mobile: +7(961)624-24-62

197022 St. Petersburg, Russia

GitHub: [maladetska](#)

EDUCATION

- **Student**
*Correspondence School of Physics and Technology of **MIPT*** *Sep. 2018 - Jun. 2020*
Relevant coursework: Mathematics, Informatics
- **Bachelor of Science in Applied Mathematics and Computer Science**
*National Research **ITMO** University* *Sep. 2021 - Jun. 2025*
Relevant coursework: Algorithms and Data Structures, Discrete Mathematics, Mathematical analysis, Linear algebra

EXPERIENCE

- **Mentor**
ITMO University, Information Technologies and Programming Faculty *Sep. 2021 - Present*

Math analysis Training Teaching

 - Mentor of **Mathematical analysis** for first-year students.

SELECTED PROJECTS

- **File Archiver**

C ARC Huffman Data (De)Compression (Un)Packing files

Development of a program for archiving and unpacking several files into one archive. Data compression and decompression during archiving using the Huffman algorithm.
- **Rubik's Cube**

C++ OOP GLUT Rubik's Cube Algorithm

Implementation of a program simulating the assembly of a 3x3 Rubik's Cube + using application GUI Implementation (OpenGL Utility Toolkit).
- **Markdown to HTML**

Java OOP Converter HTML

Implementation of the converter from Markdown markup to HTML.

ACHIEVEMENTS

- | | | |
|----------------------|---|--------------------|
| Prize-winner, | Mathematical Olympiad 'Phystech' held by MIPT (2nd prize among 2000+ finalist) | <i>2019 - 2020</i> |
| Winner, | Mathematical Olympiad held by Financial University under the Government of the Russian Federation (top 25 among 580+ finalists) | <i>2019 - 2020</i> |

PROGRAMMING SKILLS

- Languages:** C++, Java, C, Python.
Frameworks & Tools: Git, Bash.

LANGUAGES

- Russian**, Native;
English, Upper-Intermediate;
French, Intermediate.