

Maria Okorochkova

Email: okorochkova26@gmail.com

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

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

St. Petersburg, Russia

GitHub: [maladetska](https://github.com/maladetska)

EDUCATION

- Bachelor of Science in Applied Mathematics and Computer Science**
National Research ITMO University Sep. 2021 - Present
Relevant coursework: Calculus, Algorithms and Data Structures, Discrete Mathematics, Java, C++
- Bachelor of Science in Information Systems and Technologies**
National Research ITMO University Sep. 2020 - Aug. 2021
Relevant coursework: Algorithms and Data Structures, Discrete Mathematics, C, C++
- Student**
Correspondence School of Physics and Technology of MIPT Sep. 2018 - Jun. 2020
Relevant coursework: Mathematics, Informatics

EXPERIENCE

- Software Engineer Intern**
Tinkoff · Tinkoff Origination Platform Jul. 2023 - Oct. 2023
Kotlin **Spring Boot** **Apache Kafka** **Camunda** **PostgreSQL**
 - Design and development of a push&prospects service for use of the Tinkoff's business analysts
 - Design and development a web application for uploading, validating and verifying documents, which is now used as the internal scan-document tool.
 - Writing integration and unit tests.
- Software Engineer Student**
Yandex Summer Backend School Jun. 2023 - Jul. 2023
C++ **Userver** **PostgreSQL** **Google Test** **Pytest** **CI/CD**
 - Summer school to gain knowledge about the backend of distributed high-load services.
 - The topics studied were: code architecture, backend basics, git, http api design, databases, multithreading, testing, load testing, devops, deployment, CI/CD, etc.
 - Solved practical assignments, code review

SELECTED PROJECTS

- Tape Type Data Sorter** Feb. 2023
C++ **OOP** **Memory work**
Console application for sorting large **Tape** (data structure) in external memory – development **Tape Sorter**.
- Implementation Of Codeforces'S Clone** Dec. 2022
Java **JavaScript** **Vue.js** **REST** **Spring** **MariaDB**
Development of a web app similar to **Codeforces** with basic features:
registration, identification, writing comments, publishing posts, storing data of each user.
- Combinatorial Parsers** May 2022
Clojure **Functional Programming** **Parsing**
Development of a parser and calculations in Clojure using **special library**.
- Rubik's Cube Graphical User Interface** Jun. 2021
C++ **OOP** **OpenGL** **GLUT**
OpenGL application simulation and visualisation of 3x3 Rubik's Cube solving.

PROGRAMMING SKILLS

Languages: (experienced): C++, Kotlin/Java; (familiar): Go, Swift, Python, C, JavaScript.
Frameworks & Tools: Bash, Git, Kubernetes, Docker, Grafana, PostgreSQL, Apache Kafka, Spring Boot, Camunda.

ACHIEVEMENTS

Prize-winner, Mathematical Olympiad 'Phystech' held by MIPT (**2nd prize** among 2000+ finalist) 2020
Winner, Mathematical Olympiad held by Financial University (**top 25** among 580+ finalists) 2020

TEACHING EXPERIENCE

- Mentor of Calculus for first-year students**
ITMO University, Information Technologies and Programming Faculty Sep. 2021 - Sep. 2022