

TECHNICAL SKILLS

Programming Languages:

- Advanced in **Java, Kotlin, C++**

Familiar with **Python, Haskell, JavaScript, HTML, SQL**

Frameworks: **Spring, Hibernate, JUnit, Mockito, Ktor, Qt**

Working experience: **PostgreSQL, Gradle, Apache Maven, git, AJAX, jQuery**

EDUCATION

ITMO University, St. Petersburg

2017—2021

Bachelor in Applied Mathematics and Informatics

Relevant Coursework: *Algorithms and Data Structures, Computer Architecture, Discrete Mathematics, Programming Paradigms, Web programming, C++ course, Java course, Maths logic, Operating systems*

Presidential Physics and Mathematics Lyceum №239, St. Petersburg

WORK EXPERIENCE

Openway, Openway Summer School

July 2019—August 2019

Server and web application development for scooter sharing service, server integration with WAY4 system. Developed generator of XML documents for financial transactions (creating wallets, recharging wallets, authorization, transfer, and withdrawal).

- Using Spring Boot
- Storing data in the database using PostgreSQL and Hibernate
- Using Swagger

Projects

Mega-Finder [C++] [source code](#) Qt-application to search for the entered text string in files located in the specified directories and their subdirectories.

- Directory search and processing directories are put into separate threads to prevent UI freeze
- High search speed is provided by using the idea of trigrams
- Progress bar; the ability to stop the search; navigation of the found files
- Tracking of changes in directories to avoid working with irrelevant data

Codeforces implementation [Java] [source code](#) Web-application, employing some features of the site codeforces.com.

- Ability to add news posts and comment on them
 - Two types of users to restrict access to some pages for some clients.
- Spring Boot, MySQL.

Project type finder [Kotlin] [source code](#) Plugin for IntelliJ IDEA that defines the type of the open project.

- For user convenience, notifications includes link that opens the build configuration file.

Huffman files archiver[C++] [source code](#) Utility that allows you to compress and decompress files using Huffman algorithm.

- To achieve the fastest speed of the utility, an array of 1-byte elements is used to represent the encoded character, and buffered streams are designed to read/write the file.

More projects : github.com/mikeTerentev