Terentev Mikhail

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[github.com/mikeTerentev](https://github.com/mikeTerentev)

**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**Bachelor in Applied Mathematics and Informatics

*2017—2021*

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](https://github.com/mikeTerentev/megaFinder)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](https://github.com/mikeTerentev/Java-projects/tree/master/Web%20programming/hm7)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](https://github.com/mikeTerentev/project-type-plugin)Plugin for Intelij 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](https://github.com/mikeTerentev/huffman-archiver-cpp)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](http://github.com/mikeTerentev)