Mironov Kirill

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EDUCATION

National Research University ITMO   Saint-Petersburg
Bachelor of Computer Technologies   *2021 – 2025 (current)*

Relevant Coursework: *Algorithms and Data Structures, Android VK, Discrete Math, Java Advanced, C++, Mathematical analysis, Optimization Methods, Operation Systems, Frontend Yandex, Data Analysis, Mathematical Statistics, Translation Methods, Functional Programming, Parallel Programming*

PROJECTS

Java Advanced | *Java*   Feb 2023 - May 2023

- I have implemented 10 Java projects, including HelloNonblockingUDP, Web Crawler, IterativeParallelism, and others, where I leveraged concepts such as UDP connection handling, concurrency, JAR packaging, and more.

Android VK | *API, Java, Kotlin, Git, HTTP, LruCache, RoomDatabase, JUnit4*   Sep 2022 - Dec 2022

- **Messenger-app:** I have developed a messaging application that includes features such as text and image uploading. The application utilizes HTTP server-side communication for seamless transfer of user content. In addition, the application ensures data integrity by saving the uploaded content, both text and images, when the user exits the application. It also utilizes multithreading to improve performance
- **FloatingWindow:** I designed a calculator that opens in a floating window that can move freely around the screen. Also wrote tests to check if the calculator is working correctly

C++ | *C, C++*   Mar 2022 - May 2022

- Developed a converter from png to pnm
- Implemented a calculator for a system of linear equations
- Implemented Big Integer and all arithmetic operations

Optimization Methods | *Python, NumPy, Matplotlib*   Feb 2023 - May 2023

- Implemented Gradient Descent and Wolffe conditions, Stochastic Gradient Descent, modifications and regularizations, Gauss-Newton, Powell Dog-Leg, BFGS and L-BFGS

TECHNICAL SKILLS

Languages: Java, Kotlin, Python, C/C++, JavaScript, HTML/CSS
Frameworks: Node.js, JUnit
Developer Tools: Git, Github, Bash, Linux
Libraries: pandas, NumPy, Matplotlib

LANGUAGES

Russian (Native)
English (B2)