

Andrey Voyko

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EDUCATION

-
- NRU Higher School of Economics** Moscow, Russia
Bachelor in Applied Mathematics and Computer Science *Sept. 2022 - Present*

EXPERIENCE

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- NRU Higher School of Economics** Moscow, Russia
Teaching Assistant, "Number Theory" course *Jan. 2024 - Present*

Number Theory

 - Reviewing homework and holding consultations.

PROJECTS

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- Smart Watch Data Analyser** Moscow, Russia

C++ STL MySQL HTTP

2023
Implemented a desktop app for Polar smart watch that helps user with scheduling daily activities. It uses HTTP requests to retrieve user's data using Polar API, then stores it in a MySQL database and with help of machine learning algorithms finds the most suitable activities for the user.
 - Interpreter for LISP-like programming language Scheme** Moscow, Russia

C++ STL

2023
Implemented an interpreter for LISP-like programming language Scheme with error handling. My main focus was on the project structure and clarity of code that uses the capabilities of modern C++.
 - Smart Pointers** Moscow, Russia

C++ STL

2023
Implementation of the most popular smart pointers: unique-ptr, shared-ptr, weak-ptr, enable-shared-from-this, intrusive-ptr.
 - Image Processor for BMP images** Moscow, Russia

C++ STL

2023
Created some complex filters and used different programming patterns to make the code clean and efficient.

PROGRAMMING SKILLS

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- Languages:** C++, Python, SQL, GNU Assembler, Bash
 - Operating systems:** Linux, Windows
 - Technologies and Instruments:** Git, Visual Studio, CLion, Pycharm, L^AT_EX
 - Knowledge:** Algorithms, Data Structures, Computer Architecture, Operating Systems, Development Patterns