

Pavel Balay

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EDUCATION

- **Saint Petersburg State University**

Bachelor of Computer Science; GPA: 4.73

Saint Petersburg, Russia

2020 – Present

PROJECTS

- **Huffman Archiver**

This project contains an archiver that uses the Huffman algorithm. C++

- **Wikipedia Statistics**

Multithreaded program that collects different statistics from Wikipedia pages. Kotlin

- **Chat**

A simple chat. Kotlin, Ktor

- **Normal Forms Converter**

This project converts propositional formula into three normal forms: NNF, DNF, CNF. Haskell

- **BMP Handler**

This project allows you to rotate and crop BMP images. C

- **Hard Disk Performance Benchmark**

A small project for benchmarking your hard disk write and read speed. Kotlin

ACHIEVEMENTS

- **SPbU Olympiad for School Students in Informatics**

2nd degree diploma in finals.

2020

- **Lomonosov Olympiad for School Students in Informatics**

2nd degree diploma in finals.

2019

- **Lomonosov Olympiad for School Students in Informatics**

Finalist.

2020

- **Moscow Olympiad in informatics**

Finalist.

2020

- **Individual Olympiad for School Students in Informatics and Programming**

Finalist.

2020

- **Olympiad for School Students "The highest test"**

Finalist.

2020

PROGRAMMING SKILLS

- **Languages:** Kotlin, C/C++, Haskell, SQL

EXTRACURRICULAR ACTIVITIES

- **Summer School Teacher**

Teaching informatics and programming in LMSH

Summer 2021