

DENIS SHABANOV

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Education

Saint Petersburg State University

September 2021 – June 2022

Applied Mathematics and Computer Science B.Sc.

GPA: 3.603

Constructor University (Jacobs U.), Bremen

September 2022 – Expected May 2024

Computer Science B.Sc.

GPA: 2.13 (German grade), 2.87 (4 point scale)

Skills

Languages: Kotlin, Java, C++, Python

Technologies: JetBrains MPS, Linux, Git, MySQL, Docker, Elasticsearch

Relevant Coursework: Algorithms & Data Structures, Object-Oriented Programming, Databases & Web Services, Static Program Analysis

Experience

JetBrains

December 2023 – Present

Intern at MPS

Germany

- Working on the copy-paste feature (MPS uses a projectional editor, so it is quite difficult to copy-paste from text sources).

virtuetechn GmbH

July 2023 – November 2023

Student Developer

Bremen, Germany

- Set up production server monitoring with ELK stack.
- Fixed form elements and synchronization in the Dart/Flutter mobile application.

Projects

Key-Word Database | *Kotlin, kotlinx-serialization, Clikt*

October 2021

- A dbm-inspired key-word database management tool.
- Used kotlinx-serialization to read and write from JSON file.
- Clikt was used to design command-line interface.

C, C++ Homework | *C, C++*

November 2021 – May 2021

- [.zip repo](#) (in Russian)
- C homeworks: Makefile, implementation of some functions from cstring, mergesort implementation, intrusive list implementation. C++ homeworks: std::vector implementation, std::shared_ptr, C++ I/O.
- Most complex assignment in C: console utility that crops a rectangular segment of a BMP image and rotates it 90 degrees.
- Most complex assignment in C++: console utility that implements Huffman encoding and allows to compress all types of files.

Achievements

Participation in Russian Competitive Programming Contests

2019 – 2021

- **High School Student Olympiad in Informatics and Programming (2021):** 43rd place out of 378 participants
- **All-Siberian Olympiad in Informatics (2020):** 77th place out of 540 participants
- **Saint Petersburg State University Olympiad in Informatics (2020):** 17th place out of more than 300 participants