

# DENIS SHABANOV

College Ring 4 (KC-113), 28759 Bremen, Germany

☎ +49 (172) 793-41-73 ✉ [shadenis2015@gmail.com](mailto:shadenis2015@gmail.com) 📧 [@sickandpanic](https://twitter.com/sickandpanic) 🐙 [github.com/dodolfin](https://github.com/dodolfin)

## Education

---

**Saint Petersburg State University**

09/2021 — 06/2022

*Applied Mathematics and Computer Science B.Sc.*

GPA: 3.603

**Constructor University (Jacobs U.), Bremen**

09/2022 — Expected 05/2024

*Computer Science B.Sc.*

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

## Skills

---

**Languages:** Kotlin, Java, Dart, C++, Python

**Technologies:** Linux, Git, Flask, PostgreSQL, MySQL, Flutter, Docker, Elasticsearch

**Relevant Coursework:** Algorithms & Data Structures, Object-Oriented Programming, Databases & Web Services

## Experience

---

**virtuetechn GmbH**

July 2023 — Present

*Student Developer*

Bremen, Germany

- A small IT consulting company.
- Fixed bugs in the Dart/Flutter crossplatform mobile application.
- Set up monitoring of resources on production server with ELK stack.

## Projects

---

**Visualization Tool** | *Kotlin, Apache Batik, Clikt*

October 2021

- A tool that renders SVG charts using data from external CSV file.
- I used Apache Batik library to work with SVGs as with `java.awt.Graphics` instances.

**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 – Spring 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