

# DENIS SHABANOV

Saint Petersburg

☎ +7 (906) 126-88-19 ✉ [shadenis2015@gmail.com](mailto:shadenis2015@gmail.com) 🌐 [github.com/dodolfin](https://github.com/dodolfin)

## Education

---

**Saint Petersburg State University**

*Bachelor of Computer Science in Applied Mathematics and Computer Science*

**2021 — Expected 2025**

*Saint Petersburg, Russia*

## Skills

---

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

**Developer Tools:** IntelliJ IDEA, Git

**Technologies:** Linux

**Skills:** Algorithms & Data Structures

## 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.

**Diff Tool** | *Kotlin*

**September 2021**

- A simplified clone of an UNIX diff utility.
- Uses naive  $O(n^2)$  longest common subsequence finding algorithm.
- Is able to produce output in normal (Linux-like) and unified (GitHub-like) modes.

## 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