

Albert Skalt

github: Arrias

atcoder: Arrias

stepik: Arrias

codeforces: rapira

Email : allber971@gmail.com

Mobile : +79094301315

Telegram: @Arrias

PROFILE

A young programmer, who like olympiad in mathematics and computer science since high school. Interested in the development and improving of high-load systems. I am ready to study new technologies and their application. Now I am looking for an internship where I could prove myself and gain new experience.

EDUCATION

- **Saint Petersburg State University** Saint Petersburg, Russia
Bachelor of Computer Science Sep. 2020 – Present

SELECTED PROJECTS

- **VK mini app "Mood"**: A tracker of mood, anxiety and stress, where you can share your records and statistics with close friends. **JavaScript, React**.
- **Huffman Archiver**: Archiver with canonical Huffman codes designed for fast and memory-efficient encoding and decoding of the big files. An university assignment written in **C++**.
- **Elf-file disassembler**: Tool that builds text index and allows for fast queries on the analyzed data. An university assignment written in **C++**.
- **Simply typed lambda calculus**: A library that can β -reduce lambda terms and solve issues of their $\alpha\beta$ -equivalence. The Hindley - Milner algorithm is implemented for type inference. An university assignment written in **Haskell**.
- **Formula Normalizer**: The translator of formulas into normal forms: Negative Normal Form, Disjunctive Normal Form, Conjunctive Normal Form. An university assignment written in **Haskell**.
- **Simple talk-chat implementation**: Chat on a local network with GUI. An university assignment written in **Kotlin, SQL**.
- **CDCL SAT Solver**: SAT-solver based on CDCL algorithm. An university assignment written in **C++**.

ACADEMIC ACHIEVEMENTS

- **All - Siberian Olympiad in Informatics**
1st degree diploma in finals. 2020
- **All Russian Olympiad in Informatics**
Finalist 2019
- **Olympiad of schoolchildren in informatics and programming**
1st degree diploma in finals. 2020
- **Moscow Olympiad in informatics**
1st degree diploma in finals. 2020
- **Olympiad of schoolchildren of St. Petersburg State University in informatics**
2nd degree diploma in finals. 2020
- **All-Russian Olympiad of schoolchildren "The highest test" in informatics**
2nd degree diploma in finals. 2020
- **All-Russian Team Olympiad of schoolchildren in programming**
3rd degree diploma in finals. 2019, 2020
- **Rucode command contest (div C/D)**
1st degree diploma in finals. 2021
- **ICPC Northwestern Russia Regional Contest.**
12th place. 2021
- **VI Open Championship of the South of Russia "ContestSFedU-2022"**
3rd degree diploma in finals. 2022

PROGRAMMING SKILLS

- **Languages:** C++, Kotlin, Haskell, JavaScript, SQL
- **Technologies:** PostgreSQL, ReactJS

EDUCATION PROGRAMS

- **School of Olympiad Preparation of Innopolis University**
parallels B+,A *2018, 2019*
- **Algorithmic courses Tinkoff Generation**
parallel A' *2019 – 2020*
- **Courses at the "Sirius" Educational Center**
olympiad informatics *2018, 2019*