

Vladimir Rachkin

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PROFILE

A student who has been interested in programming and everything related to it since childhood. I'm constantly trying to learn something new.

EDUCATION

- **Saint Petersburg State University** Saint Petersburg, Russia
Bachelor of Computer Science Sep. 2020 – Present
- **Physics and mathematics class of SFU in Lyceum 7** Krasnoyarsk, Russia
High School Sep. 2018 – June 2020

SELECTED PROJECTS

- **UnELFer**: Disassembler for RISC-V. An university assignment written in **C++**.
- **Huffman Archiver**: Archiver using Huffman code for compression. An university assignment written in **C++**.
- **Lambda Calculus**: A program that can β -reduce lambda terms and check their $\alpha\beta$ -equivalence. An university assignment written in **Haskell**.
- **Formula Normalizer**: A simple program that translates formulas into some normal forms. An university assignment written in **Haskell**.
- **Olympiad results email sender** : Tool that sends out the verified works to the participants via e-mail. A task from organizer of the ROI-regional written in **C++ with QT**.
- **Nengine**: N-dimensional engine for videogames. My project written in **Haskell**.
- **PaperWar**: Online web-game, with two teams fight for generator. Main feature: only one stat - power, witch uses as for regeneration as for shooting. My project written in **NodeJS**.

ACADEMIC ACHIEVEMENTS

- **All-Russian School Olympiad in Informatics** Russia
2nd degree diploma in finals. There are usually several million participants over all the stages. 2020
- **All-Siberia Olympiad for Schoolchildren in Informatics** Russia
Finalist. 2020
- **Open Olympiad in Informatics** Moscow, Russia
Finalist. 2020
- **Open Olympiad for Schoolchildren "Information Technologies"** Russia
Winner. 2019
- **Kvantoriada-2017** Skolkovo, Russia
Finalist. 2017
- **World Robot Conference** Beijing, China
Participant. 2015
- **Russian Robot Olympiad** Innopolis, Russia
2nd degree diploma in finals. 2015

PROGRAMMING SKILLS

- **Languages**: C, C++, Haskell, Python, JavaScript, SQL
- **Skills**: Basic of Data structures; Software Optimization, Software Design

EXTRACURRICULAR ACTIVITIES

- **Member of the organizing committee of the regional stage of the ROI**
Basically, scanning and sending verified works to participants. Also assistance in organizing. Winter 2021