

Litvinskii Simon

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Education

📅 2020/08–2024/07	Bachelor in Software Engineering Higher School of Economics	📍 Moscow, Russia
📅 2009/09–2020/05	General secondary education ORT de Gunzburg Secondary School №550	📍 Saint-Petersburg, Russia

Skills

- Programming languages
 - Over 4 years of experience in C++
 - Familiar with Rust, Python, Lean, Haskell, Typescript
 - Have experience with Java, D, Nim, Rocket, Idris, Agda, Coq
- Computer Science: Algorithms, Data Structures, Machine Learning, Formal Verification
- Technologies and Frameworks: Git, React, Docker, MongoDB, Latex, Numpy, Sympy, Yew

Achievements

📅 2020	All-Russian Olympiads in informatics regional prize-winner
📅 2019, 2020	SPbU olympiad in informatics prize-winner
📅 2019	ORT STEM olympiad in informatics winner

Work Experience

📅 2021/10–2022/02	Yandex: Alice team Internship	📍 Moscow, Russia
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Projects

1. Rubik's Lambda Cube

A minimalistic programming language with dependent types based on a calculus of constructions with sigma types. The main purpose is to write some proof inside .tex papers.

2. Jarvis

Console application on python, which I develop to make one interface for all my projects. I use it for initializing projects, build them, and manage dependencies. It's aim to substitute such tools as cargo, yarn, leanpkg, leanproject, pip.

3. Concurrent Rust Hashtable

A hash table supporting full concurrency of retrievals and high expected concurrency for updates. However, even though all operations are thread-safe, retrieval operations do not entail locking, and there is not any support for locking the entire table in a way that prevents all access.