

# Litvinskii Simon

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## Education

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|-------------------|--------------------------------------------------------------------------------------|----------------------------|
| 📅 2020/08–2024/07 | Bachelor in Software Engineering<br><a href="#">Higher School of Economics</a>       | 📍 Moscow, Russia           |
| 📅 2009/09–2020/05 | General secondary education<br><a href="#">ORT de Gunzburg Secondary School №550</a> | 📍 Saint-Petersburg, Russia |

## Skills

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- 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

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|--------------|-------------------------------------------------------------------------------|
| 📅 2020       | All-Russian Olympiads in informatics<br><a href="#">regional prize-winner</a> |
| 📅 2019, 2020 | SPbU olympiad in informatics<br><a href="#">prize-winner</a>                  |
| 📅 2019       | ORT STEM olympiad in informatics<br><a href="#">winner</a>                    |

## Work Experience

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| 📅 2021/10–2022/02 | Yandex: Alice team<br><a href="#">Internship</a> | 📍 Moscow, Russia |
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## Projects

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### 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.