

# Daniil Lyubaev

Saint-Petersburg, Russia

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## Education

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- **B.S. Mathematics, Algorithms and Data Analysis**

Saint-Petersburg State University,

Faculty of Mathematics and Computer Sciences

3rd year, GPA: 4.25 out of 5

## Programming experience

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- Contribution to open-source NeoVim plugin AirLatex

Created pull requests on bug fixes in python code

- C++ Laboratory Works

Learnt how to do C-like and C++-like memory management, made several implementations of C++ standard library objects, worked with classes, streams, exceptions, implemented Huffman compression algorithm

- Chat application on Python

Taught myself Twisted and PyQt python libraries and created primitive echo-server/client app

## Knowledge and skills

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- Programming: C++, Python; used to code a bit in HTML/CSS.

- Have basic knowledge of operating systems, had a little experience with PyGame, SFML, Django, know  $\text{\LaTeX}$ .

- Languages

- Russian: Native

- English: Intermediate

## Other experience/knowledge/interests

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- Successfully proved upper and lower bounds in a certain interesting case of finite automata, which is basis for the article, «*Transforming reversible two-way finite automata to one-way deterministic*». A joint paper with Alexander Okhotin is on the way.

- Interested in formal languages theory (automata, grammars), theoretical computer science.