Daniil Lyubaev

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Education

- **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

- 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

- Languages: 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 LaTeX.

Other experience/knowledge/interests

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

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