Daniil Lyubaev

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Education

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

  Saint-Petersburg State University, Mathematics and Computer Sciences department

  3rd year, GPA: 4.25 / 5

- Attended courses:

  - Kotlin by Computer Science Center.

  - Python by Nikita Sobolev.

  - Basics of Bayesian inference by Sergey Nikolenko.

Programming experience

- MCS Android App (Android, Kotlin)
  Created mobile app with login, register, posts, userlist, etc., with mock API and real API

- Contribution to open-source NeoVim plugin AirLatex (Python)
  Created pull requests on bug fixes in Python code

- Huffman archiver (C++)
  Implemented Huffman compression/uncompression algorithm

- Chat application (Python)
  Taught myself Twisted and PyQt Python libraries and created primitive echo-server/client app

Knowledge and skills

- Programming: Kotlin, Android, Python, C/C++.

- Have basic knowledge of operating systems, had experience with Django, PyGame, SFML.

- Languages: Russian – Native; English – Intermediate.

Other experience/knowledge/interests

- Proved upper and lower bounds in 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), TCS.