

# Ivan Alasheev

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## EDUCATION

### Bachelor - Applied Math and Informatics

Moscow, Russia | Expected Graduation: June 2024

HIGHER SCHOOL OF ECONOMICS

**Coursework:** Data Structures and Algorithms; Operating Systems; C++ Advanced Course, Software Development Tools Course

## WORK EXPERIENCE

### YANDEX | C++ DEVELOPER INTERN

Moscow, Russia | May 2021 - November 2021

- Optimized the phrase matching algorithm in the Alice voice assistant

## PROJECTS

### SAMGIK INFO BOT

PYTHON, CI/CD WITH GITHUB ACTIONS, DOCKER, DOCKER-COMPOSE

Developed a telegram bot that helps first-year students adapt to university using python-telegram-bot library.

### SCHEME LANGUAGE INTERPRETER

C++

Implemented scheme language interpreter (variables, basic operations, lambda-functions).

### CPP CODE SNIPPETS

C++

Cpp code snippets from different courses in university (smart pointers, data structures, thread concepts)

## SKILLS

**Programming Languages:** C++, C, Python, Bash

**Technology:** Git, Docker, GDB, CI/CD with Github Actions,  $\LaTeX$ , Protobuf, JSON

## OTHER ACHIEVEMENTS

- Competitive programming:** Winner of all-Siberian Olympiad in Informatics, individual olympiad of schoolchildren in computer science, Moscow Olympiad in Informatics and prize-winner of Open Olympiad of Informatics in 2020.
- Teaching:** Taught at online school RocketClass. Lectured on different competitive programming topics.
- Preparing problems for olympiads:** Prepared problem for Moscow olympiad 2022, tasks for the team Olympiad of schoolchildren in programming "Vysshaja proba".
- Codeforces rating:** 2244