

# ZAMIR ASHURBEKOV

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## SUMMARY

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3rd year student. I have experience in solving sports programming problems and discrete optimization problems. I prefer writing in C++ and Python. I have no experience in industrial development, but I have a great desire to take a start and develop in some direction. I keep my sleep schedule, go in for sports regularly, disciplined, have no bad habits.

## EDUCATION

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### NRU HSE, FCS AMI

- Advanced group in in mathematics and programming.
- Specialization "Theoretical Informatics".

## SKILLS

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- C/C++, Python, x86 asm, NodeJS,  $\text{\LaTeX}$
- Linux, git

## ACHIEVEMENTS

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- Prize-winner of the Russian Olympiad in Informatics.
- Gold medalist of the Open Programming Olympiad.
- Participant of the Russian Olympiad in Mathematics.
- International Master at codeforces.com.
- 71 place final Yandex Cup' 20 "Algorithm"
- 1-st degree diploma in Syberian Mathematical Competition
- 3-rd degree the final of the Moscow open trains in Informatics

## PROJECTS

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### Speciation in discrete optimization problems

- An attempt to introduce the idea of inter-species interaction into the evolutionary algorithm.
- The project is written as part of a term paper based on a master's thesis. At the moment, work continues.
- Among other things, HDBSCAN clustering is implemented and built in, the implementation surpasses the existing open counterparts in C++ in terms of conciseness.

### VkTeX

- A bot for compiling code in TeX notation into a bitmap adapted for VK.
- It has been working for a year, several people use the bot every day.
- Based on the results of the work, an article was published on proglib.io.
- You can test it in the group's private messages using the link [vk.com/vktexbot](https://vk.com/vktexbot).

## PROFILES

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### Codeforces

- [codeforces.com/profile/Derbent](https://codeforces.com/profile/Derbent)
- A platform with regular sports programming competitions.

### Github

- [github.com/ZashX](https://github.com/ZashX)
- I started working with git during the coursework, but since its repository is closed until the protection itself, there is nothing interesting in the profile.