

# FEDOR KUYANOV

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## Education

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### Higher School of Economics

*Bachelor of Science in Computer Science, GPA 9.76 (1-10)*

**2020 – July 2024**

*Moscow, Russia*

## Experience

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### Yandex

*Software Engineer Intern*

**May 2021 – August 2021**

*Moscow, Russia*

- Worked in a team responsible for the quality of Yandex voice assistant Alice.
- Enhanced scenario classification by adding new factors and adapting learning process for different devices.
- Added tests to ensure classifier's validity.
- Ran an experiment on real users to measure its quality.
- As a result, the classifier's quality had been improved on some devices by 30%.

## Projects

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### Fejudge | *Python, Linux kernel*

**September 2021**

- This is a contest management system, like Topcoder or Codeforces.
- It uses several Linux kernel features and supports simultaneous evaluation of solutions on different machines.
- Also provides a nice web interface for participants.

### TheTrueHat | *JavaScript*

**August 2021**

- Hat (Alias) is a multiplayer game, in which each player picks a word from the hat and explains it to their partner as quickly as possible. This project allows you to play Hat from your browser.

### JaggedLine | *Kotlin*

**January 2021**

- This is a geometric puzzle, in which you must build the longest non-self-intersecting polygonal chain from start to end.

### Examiner | *Python, QT*

**September 2019**

- The purpose of this project is to build a platform to automate the exams.
- Provides UIs for students and teachers and enables automatic verification of various tasks.

## Technical Skills

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**Languages:** C++, Python, Kotlin, HTML/CSS, JavaScript, Bash, SQL

**Frameworks:** QT, numpy, pytorch, Flask, React, Vue

**Tools:** git, docker, gdb, cmake

**Computer science skills:** advanced algorithms and data structures – studied since 2016 for programming competitions.

**Mathematical skills:** linear algebra and geometry, discrete math, probability theory, math analysis.

**Interested in:** theoretical computer science, development of high-load systems, web-servers, frontend (a little).

## Olympiad achievements

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- Gold medal at IMC 2021
- 8th place (silver medal) at the Semifinal ICPC 2020 – 2021, NERC
- 1st place at the All-Russian Team Olympiad in Informatics (2018-2019)
- Winner of the All-Russian Olympiad in Informatics (2018)
- Prize-winner of the All-Russian Olympiad in Mathematics (2018, 2019, 2020)
- Codeforces

## Languages

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- English: C1 (IELTS 7.0)
- Russian: Native speaker