FEDOR KUYANOV

Moscow, Russia

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Education

Higher School of Economics   **September 2020 – July 2024**
Bachelor of Science in Computer Science, GPA 9.81 (1-10)   *Moscow, Russia*

Experience

- Worked as a teacher assistant in math analysis in School №57 (for 9M)
- Worked in summer informatics workshop as a coach for Russian national team candidates
- Submit problems for school Olympiads, such as "Vysshaya Proba" in math, "Open Olympiad in Informatics"
- Evaluate students' solutions of Russian math Olympiads, such as "Matprazdnik", "Regional stage of the All-Russian Olympiad in Mathematics"

Internships

Yandex   **May 2021 – August 2021**
Software Engineer Intern   *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

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.
- It contains a hidden mode, which allows you to find the best solution automatically.

Skills

Mathematical skills: linear algebra and geometry, discrete math, probability theory, math analysis
Computer science skills: advanced algorithms and data structures – studied since 2016 for programming competitions
Interested in: theoretical computer science, discrete math
Programming languages: C/C++, Python, Kotlin, HTML/CSS, JavaScript, Bash
Frameworks: numpy, pytorch, QT, Flask, React, Vue
Tools: git, docker, gdb, cmake

Olympiad achievements

- Gold medal at IMC 2021
- Winner of several inter-university math competitions: NCUMC, OMOUS, MIPT, OSAM Comp'21
- 8th place (silver medal) at the Semifinal ICPC 2020 – 2021, NERC
- Prize-winner of the All-Russian Olympiad in Mathematics (2018, 2019, 2020)
- Winner of the All-Russian Olympiad in Informatics (2018)

Other achievements

- 6 times winner of the Tournament of Towns (2014 - 2019) and took part in its Summer Conference (in math)
- Participated in the Summer School "Contemporary Mathematics"
- Made a presentation for the Moscow Mathematical Conference of High School Students, describing the ingenious solution of a geometrical problem (2017)

Languages

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

Hobbies

- Railway modelling, Lego
- Chess, speed-cubing (3x3, 36 secs), ping-pong
- Classical piano - finished 8-year music school and performed with the orchestra, <u>YouTube</u>, winner of Moscow and international piano competitions