Artem Smirnyagin

Github: [temikgo](#)

Codeforces: [temikgo](#) (old) [diskoteka](#) (new)

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EDUCATION

- **Higher School of Economics** — Moscow, Russia
  Bachelor of Computer Science in Applied Mathematics and Information Science — *Sep. 2022 - July 2026*
  Courses: *advanced C++, advanced Algorithms and Data Structures, Discrete Mathematics, Linear Algebra, Calculus*

SKILLS SUMMARY

- **Programming Languages**: C++, Python(Pandas, Numpy)
- **Tools**: Git, Bash, CMake, LaTeX
- **Languages**: Russian (Native), English (Intermediate)

EXPERIENCE

- **Summer Computer School** — Sudislavl, Russia
  Teacher — *August 2022*
  - Given advanced algorithms and data structure lectures and organized training contests for students to prepare for the Russian National Olympiad in Informatics

- **Yandex Eats Retail** — Moscow, Russia
  Intern Developer (backend full-time) — *Sep 2022 - Dec 2022*
  - Improved the relevance of issuing requests of popular products and optimized the number of queries to the database
  - Added the division of stores into restaurants and foodmalls
  - Participated in the integration of Yandex Eats and Delivery Club

- **Codeforces rounds problem setter** — International platform
  Author of problems — *since March 2023*
  - Come up with ideas, develop and prepare problems for regular competitive programming competitions on [Codeforces](#). Writing statements and solutions, doing tests and editorial

- **Open Olympiad tester** — Moscow, Russia
  Tester — *February 2023*
  - Tested problemset and helped to balance problems for the final of Open Olympiad for students in Informatics

- **Yandex YT team** — Moscow, Russia
  Intern Developer (backend full-time) — *July 2023 - Oct 2023*
  - Greatly improved the database simulator, added new displayed metrics and features, update the interface
  - Came up with many heuristics for database speed-up, tested in simulator
  - Wrote a script for generating statistics for different simulator runs and update system logs

- **Stepik algo-course developer** — Russian platform
  Author of problems — *since March 2024*
  - Taking part in the development of algorithms course for Russian students. Develop and prepare problems on [Stepik](#)

PROJECTS

- [**File archiver**](#): Implemented archiver with CLI interface using C++, achieved up to 1,5 times .txt file compression by implementing Huffman coding algorithm

- [**Hash map**](#): Implemented hashmap using double hashing algorithm

- [**Discord Bot**](#): Discord bot for testing math tasks students supports interaction with GoogleSheets

- [**Evolution game**](#): game in which you can merge the same fruits, falling from above, into new ones

ACHIEVEMENTS

- **Individual Olympiad for students in Informatics and Programming**: Gold medal
- **Open Olympiad for students in Informatics**: Bronze medal
- **Russian National Olympiad in Informatics**: final stage participant (top-300 countrywide)

EXTRACURRICULAR ACTIVITIES

- Volunteering, helping with Olympiads organization
- Training for ICPC with my team