Ramazan **Rakhmatullin**

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Education

Higher School of Economics   *Moscow, Russia*
Bachelor of Science in Applied Mathematics and Computer Science   *September 2018 - June 2022*
- Machine Learning and Applications, 8.04/10 GPA

Skills

Fields of interest   Discrete Optimization, Applied Statistics (ML related), Algorithms and Data Structures,
Time efficient implementations in C++, Machine Learning, Deep Learning

Languages   C++, Python, Java

Other   Pytorch, Numpy, CatBoost, Pandas, Docker, Bash, Git

Achievements

Personal

Aug. 2021 **Winner**, VK Cup The most prestigious programming competition for Russian speaking community   *Online*
Sep. 2018 **11th, National champion**, IOI The most prestigious high school programming competition   *Tokyo, Japan*
Oct. 2021 **3rd**, IMC Coding Challenge Discrete optimization competition with valuable prizes   *Online*
Jun. 2021 **35th**, Google Code Jam Over 36,000 students and professionals in a programming competition   *Online*
Dec. 2020 **21st**, Facebook Hacker Cup Over 18,000 students and professionals in a programming competition   *Online*
Jun. 2021 **39th all time high**, Codeforces — the most popular programming competitions platform
Profile: never_giveup 3058 max rating   *Online*

Team Competitions

Apr. 2021 **2nd**, ICPC Northern Eurasia Finals The most prestigious programming competition for students   *Saint Petersburg, Russia*
Apr. 2020 **6th**, Google Hash Code Over 100,000 students and professionals in an optimization competition   *Online*
TBD 2022 **Finalist, Top-3 Contender**, ICPC Finals 2021 (Postponed)   *Dhaka, Bangladesh*

Experience

National IOI Team Summer and Winter Camps   *Moscow, Sochi, Russia*
Teacher   *November, May 2018 - 2021*
- Intensive training and selection of national IOI team
- Giving seminars on problem solving techniques
- Creating and preparing complex CS problems for selection competitions

Innopolis School Camps   *Innopolis, Russia*
Senior Teacher   *February 2019; February 2020; July 2021*
- Teaching advanced algorithms and data structures to gifted high school students
- Developing and preparing the hardest task for Innopolis Open 2019 and 2020 competitions

Ledidi   *Oslo, Norway*
Software Engineer & AI Developer   *2019 - 2020*
- Developing smart help chatbot for customers

Projects

- Writing my thesis about fast algorithm for computing maximum matching without crossings in convex bipartite graph, extending this paper
- Coursework about fast ILP algorithms for checking Nash solvability of specific game classes
- C++ library implementing and collecting useful algorithms for Computer Science tasks
- DL Homeworks from university course about training deep models from scratch
- C++ vector with Copy on Write and Small object optimizations, preserving time complexity and exception safety guarantees, where possible
- Creating and preparing complex CS tasks for popular national school competitions