

# Ramazan Rakhmatullin

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## Education

### Higher School of Economics

BACHELOR OF SCIENCE IN APPLIED MATHEMATICS AND COMPUTER SCIENCE

- Machine Learning and Applications, 8.04/10 GPA

Moscow, Russia

September 2018 - June 2022

## Skills

### Fields of interest

Algorithms and Data Structures, Combinatorics, Complexity Theory, Applied Statistics, Discrete Optimization, Time efficient implementations in C++, Machine Learning, Deep Learning

### Languages

C++ (8 years), Python (2 years), Java (2 years)

### Other

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

## Achievements

### PERSONAL

- Aug. 2021 **Winner, VK Cup** The most prestigious programming competition for Russian speaking community
- Sep. 2018 **11th, Gold, National champion, IOI** The most prestigious high school programming competition
- Oct. 2021 **3rd, IMC Coding Challenge** Discrete optimization competition with valuable prizes
- Jun. 2021 **35th, Google Code Jam** Over 36,000 students and professionals in a programming competition
- Dec. 2020 **21st, Facebook Hacker Cup** Over 18,000 students and professionals in a programming competition
- Jun. 2021 **39th all time high, Codeforces** — the most popular programming competitions platform  
Profile: [never\\_giveup](#) 3058 max rating

Online

Tokyo, Japan

Online

Online

Online

Online

### TEAM COMPETITIONS

- Apr. 2021 **2nd, ICPC Northern Eurasia Finals** The most prestigious programming competition for students
- Apr. 2020 **6th, Google Hash Code** Over 100,000 students and professionals in an optimization competition
- Feb. 2022 **2nd, Petrozavodsk Winter Camp** The most competitive training camp for ICPC participants
- TBD 2022 **Finalist, Top-3 Contender, ICPC Finals 2021 (Postponed)**

Saint Petersburg, Russia

Online

Online

Dhaka, Bangladesh

## Experience

### National IOI Team Summer and Winter Camps

COACH

- Intensive training and selection of the national IOI team
- Giving seminars on problem solving techniques
- Creating and preparing complex CS tasks for the selection competitions

Moscow, Sochi, Russia

November 2018 - Present

### Innopolis School Camps

SENIOR TEACHER

- Teaching advanced algorithms and data structures to gifted high school students
- Developing and preparing the hardest task for [Innopolis Open 2019](#) and [2020](#) competitions

Innopolis, Russia

Feb. 2019; Feb. 2020; Feb., Jul. 2021

### Ledidi

SOFTWARE ENGINEER & AI DEVELOPER

- Developing AI-based help chatbot for customers

Oslo, Norway

March 2020 - February 2021

## Projects

- Writing my thesis about fast algorithm for computing the maximum matching without crossings in convex bipartite graphs, extending [this](#) paper (keywords: LIS, self-balancing trees, dynamic programming, tight bounds)
- [Coursework](#) about fast ILP algorithms for checking Nash solvability of specific game classes
- Member of jury of the Russian National Olympiad in Informatics
- Creating and preparing complex tasks for popular CS school competitions: [APIO 2019 A](#), Russian NOI, many others
- [C++ library](#) implementing and collecting algorithms for Theoretical Computer Science tasks
- [DL Homeworks](#) from university course about training deep models from scratch