

# 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

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
- Sep. 2018 **11th, 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
- TBD 2022 **Finalist, Top-3 Contender, ICPC Finals 2021** (Postponed)

Saint Petersburg, Russia

Online

Dhaka, Bangladesh

## Experience

### National IOI Team Summer and Winter Camps

TEACHER

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

Moscow, Sochi, Russia

November, May 2018 - 2021

### 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

February 2019; February 2020; July 2021

### Ledidi

SOFTWARE ENGINEER & AI DEVELOPER

- Developing smart help chatbot for customers

Oslo, Norway

March 2020 - February 2021

## 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