Amir Mokhammed-Ali

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Education

Princeton University, Princeton, New Jersey
Maths

Enrolled - June 2022

Pursuing certificates in Applied Computing and Machine Learning

Courses:
1. Algorithms and Data structures, COS 226
2. Analysis III: Integration theory and Hilbert spaces
3. Introduction to Machine Learning, COS 324
4. Probability theory and Random Processes, ORF 309
5. Introduction to Computer Systems, COS 217
6. Accelerated Honors Analysis II, MAT 218
7. Topology, MAT 365

Accomplishments

Gold medalist of the IMO (International Mathematical Olympiad) in 2016 and 2017

4 times Absolute Winner of the Kazakhstan National Olympiad in Mathematics in 2015-2018

Perfect scorer of the Balkan Mathematical Olympiad in 2018, Belgrade, Serbia

Top 5 on the ACM ICPC Semifinal in the Greater NY region, "Best Freshmen team" award

Employment History

Ivy League Edu, Almaty, Almaty Province
Mathematics teacher

June 2019 - August 2019

Prepared high school students for exams such as SAT subject tests in Maths

Conducted exam overview sessions and discussed tactics to increase the efficiency of learning.

Helped students raise the total score by 100-200 points

Self-employed
Competitive Maths teacher

April 2018 - August 2019

Prepared students for high level math competitions, such as Kazakhstan National and International Zhautykov Olympiads, Balkan Mathematical Olympiad and many others.

Cooperated with main coaches of the Russian and Kazakh International Mathematical Olympiad teams

Have been invited by the Kazakhstan Ministry of Education to the international math camp in Bayanaul, Pavlodar Region, to teach young students from Yakutia (Republic of Sakha), Omsk (Russia) and Kazakhstan in June, 2019

Professional Skills

C++, C, Java, Python
ARMv8/AARCH64 assembly
Machine Learning
Advanced Algorithm design
Object Oriented Programming
Systems
Data Structures
Russian, Kazakh languages