Abubakr Usmanov
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EDUCATION

- **Moscow Institute of Physics and Technology** — Moscow, Russia
  Bachelor of Phystech School of Applied Mathematics and Computer Science — *Sept. 2019 - Aug. 2024*

EXPERIENCE

- **Huawei Russian Research Institute** — Moscow, Russia
  Intern, Radio and Telecommunication Lab — *August 2022 - December 2022*
  `MATLAB`
    - Optimized selection of Precoder Matrix Indicators(PMI) in 5G NR channels.

- **HumoLab** — Dushanbe, Tajikistan
  Golang Backend Developer Intern — *June 2023 - August 2023*
  `Golang` `PostgreSQL` `Docker`
    - Created web application for basic user management using Gin Web Framework and GORM.
    - Optimized sql queries using PostgreSQL and Docker.

TEACHING EXPERIENCE

- **Moscow Institute of Physics and Technology** — Moscow, Russia
  Assistant in MIPT Math Olympiad School — *June 2021 - July 2021*
  `Algebra` `Combinatorics` `Geometry` `Number Theory`

- **TRBSL "Hotam and P.V"** — Gissar, Tajikistan
  Teacher of Mathematics and Informatics olympiad teams — *December 2022 - June 2023*
  `Algebra` `Combinatorics` `Geometry` `Number Theory` `C++` `Algorithms and Data Structures`

PROJECTS

- **Rest Api Server** — Moscow, Russia
  `Golang` `Gin` `Go Fiber` `sqlx` — *Jul. 2023*

  Developed the RestAPI server using different web frameworks (Gin, Fiber) and sqlx repository.

- **Unix Commands** — Moscow, Russia
  `C` — *Nov. 2020 - Jan. 2021*

  Developed a set of essential Unix commands that facilitate efficient navigation of the file system, provide user and group identity information, and list the contents of directories.

- **Data Structures Implementation** — Moscow, Russia
  `C++` — *Sep. 2019 - Dec. 2019*

  Implemented most common data structures in C++: Linked list, Binary Tree, Hash Map and etc. Solved several algorithmic problems using these implementations.

ACHIEVEMENTS

- **International Mathematical Olympiad – Bronze medal** — July 2018
  653 participants from 107 countries. — *Cluj-Napoca, Romania*

- **International Zhautykov Olympiad – Gold medal** — January 2018
  About 200 participants from 19 countries. — *Almaty, Kazakhstan*

- **India International Mathematical Competition – Gold medal(individual), Gold medal(team)** — July 2017
  About 300 participants from 20 countries. — *Lucknow, India*

- **National Olympiad of Tajikistan – Gold medal** — July 2017
  About 100 participants — *Dushanbe, Tajikistan*

- **International Zhautykov Olympiad – Bronze medal** — January 2017
  About 200 participants from 19 countries. — *Almaty, Kazakhstan*

- **Junior Balkan Mathematical Olympiad – Silver medal** — June 2015
  About 106 participants from 19 countries. — *Belgrade, Serbia*

PROGRAMMING SKILLS

- **Languages**: C/C++, Golang.
- **Technologies**: SQL, Postgres, Docker, Git, Github, Gitlab, MATLAB, LaTeX.
- **Knowledge**: Algorithms, Data Structures, Machine Learning, Linear Algebra, Mathematical Statistics.