Muhammadjon Hakimov

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EDUCATION

- **Bachelor of Science in Applied Mathematics and Computer Science**
  National Research ITMO University   *Sep. 2018 - Jun. 2022*
  Relevant coursework: Algorithms and Data Structures, OOD, Concurrent Programming, Distributed Systems

- **Advanced Training Program in Software Engineering**
  Computer Science Center   *Sep. 2020 - Jun. 2022*
  Relevant coursework: Algorithms and Data Structures, Programming in Python, Programming in C++

EXPERIENCE

- **Junior Software Engineer**
  Yandex · Advertising Agencies Accounts Backend Team   *Jul. 2021 - Present*
  `Python` `asyncio` `RabbitMQ` `Celery` `Databases`
  - Designed and integrated an **access management service** to grant access rights to representatives of agencies
  - Reduced the number of errors at the client side by implementing **middleware for exception handling**

- **Software Engineer Intern**
  Yandex.Cloud · Data Transfer Team   *Nov. 2020 - May. 2021*
  `Go` `C++` `SQL` `Databases`
  - Increased the test coverage of the project from **14%** to **27%** by adding various end-to-end and unit tests
  - **Optimized** RAM usage **by 800 GB** by setting more precise limits, which helped to survive the data center outage

SELECTED PROJECTS

- **Table of contents generator for Markdown**
  - Implemented the tool for faster navigation in Markdown files that generates the table of contents

- **Trending and relevant hashtag finder for TikTok and Instagram**
  `Java` `Kotlin` `Spring Boot` `Android SDK` `PostgreSQL` `SQLite`
  - Created an app for searching trending and relevant TikTok and Instagram hashtags
  - Improved the result accuracy from **74.1**% to **87.9**% by applying feature selection algorithms

- **English text simplifier**
  `Java` `JavaScript` `Spring Boot` `Vue.js` `MySQL`
  - Developed an app to simplify English texts by replacing complex words with synonyms
  - Compared various storage types on stress tests including search trees, hash tables, and trie

ACHIEVEMENTS

Participant,	Google Hash Code 2021 (**top 8%** out of 9000 teams)	*Feb. 2021*
Winner,	Vezdekod Mobile Development Hackathon (**5th place** out of 600 teams)	*Sep. 2020*
Winner,	ITMO University Math Fights (**2nd place** out of 30 teams)	*Dec. 2019*
Winner,	Tajikistan National Competitive Programming Contest (**1st place** out of 1000 participants)	*Jun. 2018*

PROGRAMMING SKILLS

Languages:	**(experience)**: Python, C++, Go, Java, **(familiar)**: Kotlin, JavaScript, Haskell
Frameworks & Tools:	asyncio, Spring Boot, Vue.js, Android SDK, Docker, RabbitMQ, Celery

VOLUNTEER TEACHING EXPERIENCE

- **Alif Academy Online Golang Course**
  Teaching Assistant   *Feb. 2021 - Apr. 2021*
  - Helped with homework assignments in an online course for **300 students**

- **Algorithms and Data Structures Club**
  Mentor   *Dec. 2017 - Aug. 2018*
  - Prepared 4 students to win **1st** and **2nd** places out of 1000 participants at the National Competitive Programming Contest