

Gleb Tkach

PERSONAL DETAILS

<i>Location</i>	St. Petersburg, Russia
<i>Birth</i>	December 27, 2000
<i>Phone</i>	+7(981)179-95-17
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EDUCATION

Baccalaureate <i>ITMO University, St. Petersburg, Russia</i> Computer science	2018-2024
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ADDITIONAL EDUCATION

Summer Computer School <i>lksh.ru</i> Studying algorithms and data structures	august 2016, august 2017
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Informatics winter camp <i>olymp.innopolis.ru</i> Innopolis training camp Studying algorithms and data structures	december 2017
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Moscow Workshops Juniors <i>MIPT training camp</i> Preparing for competitive programming olympiads	march 2018
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WORK EXPERIENCE

Software engineer <i>Huawei Data Algorithm Technology Center</i> Developed algorithms for lossless blockwise data compression. Researched compression methods for different genome data formats. Developed algorithms for Fastq, Fasta, SAM and BAM formats. Added support for multithread blockwise compression. Participated in QA for this project, fixed bugs and improved performance. Participated in unstructured data compression project. Integrated genome compression algorithm. Developed dedicated method for SEG-Y file format encoding. Researched methods of joint compression of BAM and Fastq files. Developed algorithm of joint encoding, supported usage of self-reference and reference from Fasta files. Participated in QA, fixed bugs, improved performance and memory usage.	april 2021—Until now
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SKILLS

<i>Programming Languages</i>	C++, Java, Python, Kotlin, Go
<i>Technical skills</i>	Algorithms and Data Structures ML algorithms knowledge Basic web-programming Basic experience with frameworks (Spring, Vue.js) Experience with Bash Concurrent programming experience Intermediate level of sql-programming
<i>Languages</i>	Russian (native), English (C1)

PROJECTS

Fast hash-based additive accumulators <i>Cryptographic accumulators. Based on this article</i> C++	source link
UM Discord bot <i>Discord app for managing online board game tournaments</i> Python	source link
MaxSAT partition optimization <i>Graduation project</i> Python	source link

ACHIEVEMENTS

ICPC Northern Eurasia Finals <i>Third degree diploma</i> 60 th place	2019/20
ICPC North-Western Russia Regional Contest 13 th place	2019/20
All-Siberian Programming Contest named after I.V. Pottosin <i>Second degree diploma</i> 22 nd place	2019
Individual Olympiad in informatics <i>First degree diploma</i> 21 st place out of 1000+	2018
DatsTeam hackathon — DatsDefence <i>source link</i>	2023

5th place out of 200+

DatsTeam hackathon — DatsBlack

2024

source link

12th place out of 200+

ADDITIONAL INFORMATION

GitHub <https://github.com/Villen3tenmerth>

Telegram <https://t.me/Villen3tenmerth>