

ASAD RAKHMANI

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EDUCATION

ITMO University Applied Mathematics and Computer Science	2021 - 2025
National Tsing Hua University of Taiwan Exchange Program as a Computer Science Student	spring 2023
Vega University Winter School of Financial Mathematics 'Quantaton'	winter 2022
Sirius University Summer School of Artificial Intelligence 'AIRI' (RDLS + RAIH)	summer 2022
ITMO University Course on Algorithms and Data Structures at a High School	2020-2021

ACHIEVEMENTS

Diploma for the Best Project at the Sirius Summer School Object tracking on images using text queries Merging a library for segmentation/detection - MDETR with a library for object tracking - SORT	Link(GitHub)
First place in the Hackathon by VKontakte (VK) on machine learning binary classification problem on text data text data in BoW format were converted into embeddings (Word2Vec was used to convert some types of text data) and normalized, after which a model from the catboost library was trained on them	Link(GitHub)
Winner of the All-Russian Olympiad for Schoolchildren in Programming	
Winner of the All-Russian Olympiad in Informatics	

ПРОЕКТЫ

Bimap C++ a data structure that stores a set of pairs and efficiently performs key-by-value lookups. Unlike map, search in bimap can be performed both on the left (left) elements of pairs and on the right (right).	Link(GitHub)
Image auto contrast C++ & OpenMP The program automatically corrects the contrast of ppm and pgm images. For speed of work, the OpenMP parallel programming library was used.	Link(GitHub)
PNG to PPM image converter C++	Link(GitHub)

SKILLS

Programming languages: C++, Python, Java
Tools&Other: Git, Clion, STL, OpenMP, numpy, matplotlib, pandas, seaborn, Docker