GUKASIAN VLADIMIR

3nd year student at MIPT DREC
Data Scientist/Python developer

gukasian.vl@phystech.edu +79009961565 Mosocw, Russia mr-gukas

EXPERIENCE

Data Scientist in e-com

DIGINETICA

April 2024 – Ongoing Moscow, Russia

- Development of spellchecker
- Building RAG models
- Prompt engineering
- Generating quiz-game for shops, matching products, validating them
- Automatic product's attributes selection
- Generating synthetic user queries

FUZZER developer (R&D)

ISP RAS

July 2023 – April 2024 Moscow, Russia

Development of a toolkit for fuzzing neural network:

- Fuzzer of language models
- Visualization of neural network layers after fuzzing
- GANs as mutation for fuzzing

OPEN SOURCE PROJECTS

ML projects

Python PyTorch NLP

This repository serves as a collection of my work, projects, and assignments related to machine learning and data science. Whether it's personal projects, assignments from courses, or freelance work, you'll find them all here.

Binary Translator

C

This project is a description of the development of a binary translator for my own programming language. In the process of development, I also worked with a virtual processor that I created, which serves as an alternative method of executing programs. The goal of my work was to study the compilation process and compare the performance between executing a program through my binary translator and the virtual processor.

Hash table optimization

MY LIFE PHILOSOPHY

"Happiness is a choice"

STRENGTHS

Hard-working Stress resistance Sociability Eye for detail Motivator & Leader

C/C++ Python CV/NLP Assembly Docker Linux Git

LANGUAGES

English ●●●●○

Russian ●●●●●

Armenian ●●●●●

EDUCATION

B.Sc. in Applied mathematics and physics (Computer science and radio engineering)

MIPT

Sept 2022 – June 2026

ADDITIONAL EDUCATION COURSES

ML Lessons by Radoslav Neichev

MIPT

Sept 2023 - May 2024

Algorithms and data structures

VK Education

Oct 2023 - Dec 2023

C Assembly SIMD KCachegrind

The aim of this project is to study the potential for optimizing hash functions and hash table infrastructure in order to improve their performance. Additionally, it involves conducting an analysis to determine the necessity of specific optimizations.

"Armenian" language compiler

C Assembly SIMD

Compiler for my own programming language. Translating into my own assembly and generating byte-code for virtual CPU