

GUKASIAN VLADIMIR

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

@gukasian.vl@phystech.edu

+79009961565

Moscow, Russia

mr-gukas



EXPERIENCE

Data Scientist in e-com

DIGINETICA

April 2024 – Ongoing

Moscow, Russia

- Spellchecker modules
- Transliteration model
- RAG models
- Prompt engineering
- Generating quiz-game for shops, matching products, validating
- Automatic product's attributes selection
- Attributes extraction from descriptions
- 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

PROJECTS IN SYSTEM SOFTWARE

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

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.

STRENGTHS

Hard-working

Stress resistance

Sociability

Eye for detail

C/C++

Python

CV/NLP

Assembly

Docker

Linux

Git

LANGUAGES

English



Russian



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