# GUKASIAN VLADIMIR

**4th year student at MIPT DREC**
**Data Scientist/Python developer**

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

## EXPERIENCE

### Data Scientist in e-com
**Any (ex. DIGINETICA) & T-BANK**
April 2024 – Ongoing Moscow, Russia

- Rerank & personalization
- AI-based services
- Spellchecking
- LLM agents
- RAG models
- Prompt engineering
- Synthetic data

### Data Scientist
**llmarena.ru**
November 2024 – Ongoing Moscow, Russia

- Filtering and processing of user data
- Sentiment and style analyze
- Prompts categorization
- LLMs ranking

### Data Scientist
**ROBLOX Marketplace**
Dec 2024 – Jan 2025 Moscow, Russia

- Development of antifraud system

### ML engineer (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

## ADDITIONAL PROJECTS

### Binary Translator
C

## SKILLS

Python Cursor Claude Code ML Docker Linux Git C/C++ Assembly Verilog

## LANGUAGES

**English** ●●●●○

**Russian** ●●●●●

## EDUCATION

### B.Sc. in Applied mathematics and physics (Computer science and radio engineering)
**MIPT**
Sept 2022 – June 2026

## ADDITIONAL COURSES

### Advanced machine learning methods
**MIPT**
Jan 2024 - Dec 2024

### Algorithms and data structures
**VK Education**
Sep 2023 - Dec 2023

### Modern NLP. LLM
**VK Education**
Sep 2024 - Dec 2024

This project is a description of the development of a binary translator for my own programming language. In the development process, 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 to optimize hash functions and the hash table infrastructure to improve their performance. In addition, it involves conducting an analysis to determine the necessity of specific optimizations.