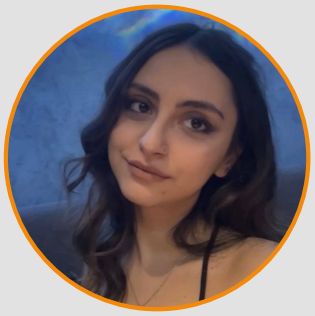

ARUTIUNIAN ANI

Student

@ arutiunian.as@ephystech.edu | 8-910-360-6866 | Moscow, Russia
https://github.com/arutiunianan | @arutiunianan

PROGLANGUAGE

C | C++ | Assembly x86 | Python | Verilog

LEARNING

Git | SFML | GraphViz | GDB | LaTeX | IDA | Qt5 | Turbo Debugger | TXLib

LANGUAGES

Russian: Native

Armenian: Native

English: B2/C1

Spanish: A1

SOFT SKILLS

Positive

Talkative

Responsible

Charming

Organized

EDUCATION

Applied mathematics and physics | Moscow Institute of Physics and Technology DREC

Semptember 2021 – August 2025 | Moscow, Russia

EXPERIENCE

Internship "Designing an optimizing compiler" | MCST

July 2023 – August 2023 | Moscow, Russia

Industrial Programing and Compiler Techniques | MIPT

Semptember 2023 – May 2024 | Moscow, Russia

Python Developing course | MIPT

Semptember 2021 – May 2022 | Moscow, Russia

C++ Developing course | MIPT

Semptember 2021 – January 2022 | Moscow, Russia

Algorithms and Data Structures | MIPT

February 2022 – January 2023 | Moscow, Russia

Computer architecture | MIPT

February 2022 – January 2023 | Moscow, Russia

Computer networks | MIPT

Semptember 2023 – January 2024 | Moscow, Russia

PROJECTS

Aninator |

This project is my implementation of the famous Akinator game! The meaning of the game is that the user must guess any character, and the Genie Anishka — the main character of the game — must guess it.

Anishkin CPU |

- ASM converts commands in my assembly language into their bytecodes.
- The CPU executes any programs that are represented in its bytecode.
- DIS converts program bytecodes into commands in my assembly language.

Anishkin Differentiator |

You can use this program to calculate the nth derivative, obtain the Maclaurin series of the nth degree, and plot the resulting expressions.

ArmLanguage |

With this project, you can write programs in my Turing-complete Armenian language.
- Frontend compiles the source code into an abstract syntax tree (AST)
- ASM converts commands in my assembly language into their bytecodes
- The backend compiles the AST into assembly code
- The CPU executes any programs that are represented in its bytecode

Anishka Hake |

My task is to hack this program in two ways:
- Using buffer overflow
- Using byte substitution