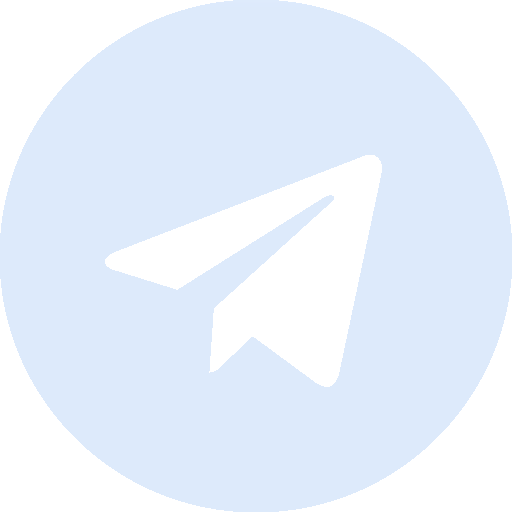
### 



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### Moscow, Russia

@dmjtsh

<https://github.com/dmjtsh>

**SHUTOV DMITRIY**

MIPT DREC 2nd year student

# **PROJECTS**

[Dmit’s Virtual Machine (DVM)](https://github.com/dmjtsh/huawei_course/tree/main/4-cpu)

* Turing-complete **Virtual Machine**
* Executes any programs represented on its **bytecode**
* Contains **registers**, **stack**, **RAM**, **video RAM**
* **Dmit’s ASM** that translates ASM commands into their bytecodes
* **Dmit’s ASM** supports **labels** and **procedures**

[Papich Language](https://github.com/dmjtsh/huawei_course/tree/main/8-language)

* Turing-complete **Programing Language**
* **Frontend/Backend** design
* **Assembly source** compiler output
* Supports **functions, variables, arithmetic, control flow operators (conditions, loops), I/O operators**
* Papich-inspired syntax

[Bailando Differentiator](https://github.com/dmjtsh/huawei_course/tree/main/7-differentiator)

* Differentiates any math expressions
* Expression **optimizations**
* **Taylor Series** approximations
* **Python Graphs** Plotting
* Bailando **LaTeX** Output

[Dmit’s](https://github.com/dmjtsh/hack) Hacks

* Cracking x86 binary crackme
* **DOS environment** (for wider types of hacks)
* **SFML** graphic interface

**PROFESSIONAL SKILLS**

* Program Languages: **C/C++, ASM x86-64, Python**
* Tools: **Git, SFML, GraphViz, GDB, LaTeX, IDA, Qt5, Turbo Debugger, TXLib**

**PROGRAMMING COURSES PASSED**

* MIPT Python Developing course
* MIPT C++ Developing course
* MIPT Algorithms and Data Structures course
* MIPT Industrial Programing and Compiler Techniques
* MIPT Computer Architecture and Assembly Languages course



# **EDUCATION**

# ***Bachelor of Applied Mathematics & Physics***

**MIPT DREC**

       2022 - PRESENT

       Moscow, Russia

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**SOFT SKILLS**

* Time management
* Ambitiousnessand leadership skills
* Activity
* Creativity

**HOBBIES**

* Workout
* Sambo
* Sailing sports
* Reading

