# DMITRY SUTIY

Moscow, Otradnoe district

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## EDUCATION

**Mathematical school №179**                                                             **2017 − 2021**
*Class with in-depth study of math and programming*                                        *Moscow*

**Moscow Institute of Physics and Technology (MIPT)**                                     **2021 − 2025**
*Phystech School of Applied Mathematics and Informatics*                                    *Moscow*

## RELEVANT COURSEWORK

- Algorithms
- Data structures
- Design patterns
- Mathematics
- Backend
- Optimization
- OOP-programming

## PROJECTS

**"Bulls and Cows"** | *Python3, PyQt*

- Open repository with the game code
- Program works with computer files so it saves the leaderboards.
- Implemented visual interface.

**Fractals Generator** | *Python3, PyQt*

- Open repository with the generator code
- There are 3 types of curves, and the app allows you to choose the number of fractal steps
- Implemented visual interface.

**Text Encoder** | *Python3*

- Open repository with the Encoder code
- The application allows you to encrypt and decrypt text
- The application has various encryption algorithms

**Bank System** | *Python3, sqlite3*

- Open repository with the Bank code
- This project implements the backend of a simple banking system. You can create deposits, loans and debit accounts with different conditions.
- The code follows the principles of OOP and uses design patterns.
- The application uses databases to store data

**Std Structures Realisation** | *C++*

- Open repository with code
- Implementation of standard structures. There is an implementation of iterators, allocators, exceptions, template programming, and move semantics should appear in the foreseeable future

## TECHNICAL SKILLS

**Programming languages**: C++(strong knowledge), Python(strong knowledge), Go
**Technologies**/**Frameworks**: Linux, Git, LaTeX, Docker, CMake, JupyterNotebook, CI/CD, Bash, Pandas, MatPlotLib

## OTHER

**Soft Skills**: Friendly, Optimistic, Sociable, Analytical Skills, Creative
**Hobbies**: Literature, Team Sports, History, Hiking