

Egor Sennov

Moscow, Russia

☎ +7 (967)-174-69-30 | ✉ esennov2005@gmail.com | 📷 SennovE | 📱 sennov

Education

BS in Applied Mathematics and Computer Science

Moscow, Russia

NATIONAL RESEARCH UNIVERSITY – HIGHER SCHOOL OF ECONOMICS

Sep. 2023 - Jun. 2027

- **Relevant CS courses:** Python, Algorithms and Data Structures, Kotlin Mobile Development, C++
- **Mathematical courses:** Linear Algebra and Geometry, Calculus, Дискретная Discrete Mathematics, Number Theory

Skills

Programming Languages Python (3.13), C++ (20), Kotlin (1.9), MQL4

Software & Tools Git, LaTeX, SQL

Projects

A robot advisor that simplifies trading in the terminal RoboForex - MetaTrader 4

- A bot that allows you to automate the placing and closing of orders with customizable parameters
- An interface that can be connected to a trading terminal and used to control a bot

Telegram bot with an up-to-date schedule for BAMU students at the HSE

- A bot class has been developed to simplify working with the python-telegram-bot library
- Implemented automatic updating of the lesson schedule and registration of users in the database

A module for working with polynomials in python

- A class of polynomials has been created from scratch, which contains terms with different degrees of the variable and the remainder in the form of a regular irreducible fraction
- Implementations of FFT and IFFT algorithms, gcd finding functions for polynomials have been created
- The module also makes it possible to work with fractions

Program for editing BMP files

- The program is written in raw C++ without the use of third-party libraries for image processing.
- Filters have been created that process images by applying matrices to pixels, as well as using more complex algorithms to implement their functionality.
- Unit-tests have been written to verify the correctness of the main program and its filters.

Extracurricular

Языки

- Russian (native)
- English (fluent)
- German (elementary)