Mark Litvinov

✉ email   ⌨ github   ✈ marklitvinov   Moscow, Russia   ☎ +7(914)152-35-96

EDUCATION

Center of Mathematical Finances at Higher School of Economics Moscow, Russia
Advanced Course at Econometrics and Finances *Sep-Dec 2021*

Presidential Physics and Mathematics Lyceum No. 239 Saint-Petersburg, Russia
With graduation from the math center, GPA: 4.47/5.0 *Graduated, Sep 2018 - Jun 2021*
Relevant school courses: analysis, graph theory, number thory, linear algebra, advanced geometry

Higher School of Economics National Research University Moscow, Russia
Bachelor of Applied Mathematics and Computer Science *Expected Graduation, Jun 2025*

ACHIEVEMENTS

All-Russian Olympiad in Mathematics Prize Winner Ekaterinburg, Russia
Top-86 / 170 in the final, in total >50000 participants *Apr 2021*
- Passed 4 qualifying stages, the final one consisted of 8 problems in analysis, combinatorics, geometry, graph theory and game theory.
- The most prestigious olympiade in mathematics in Russia.

All-Russian Olympiad in Economics Prize Winner Perm, Russia
Top-19 / 140 in the final, in total 9000 participants *Mar 2021*
- Passed 4 qualifying s, the final one consisted of 8 problems: qualitative economic problems and computational problems in stock market instruments analysis.
- The most presctigious olympiade in economics in Russia.

All-Russian Presidential Educational Center "Sirius" alumnus Sochi, Russia
Mathematical article *May 2021*
- In team of 2 wrote mathematical article with a detailed proof of the theorem, the author of which was awarded the Fields Medal in 2010, successfully presented this scientific work to modern mathematicians.

PROJECTS

Telegram dating bot *Aug 2021*
- Created a dating bot in Telegram with Tinder model.
- Used Python to code the logic, JSON file format to store the data in SQL-databases on the remote pythonanywhere.com server that hosted users' information and runned the code.
- All in all there were 100 users and it worked correctly.

Algorithmic trading strategy *Aug 2021*
- Wrote an algorithmic trading strategy with stocks of companies from S&P500 index with Python. It combines some math ideas and economic parameters.
- The model was tested on the Calmar-ratio test and Sharp-ratio test and shown median Calmar-ratio 0.75 and mean 1.46.

University timetable bot *Aug 2021*
- Created a Python-bot, that parsed my friends' timetable with selenium and maded the table for a week.
- HTML-source web-parser with beautiful soup module.

Interactive game in Instagram mask *Apr 2020*
- Created real-time race game, written in javascript, with built-in face-tracking interface in SparkAR with FaceTracking module. Since that, the mask has been shown more than 500'000 times.

ADDITIONAL

- Relevant Courses: Programming Methodology and Data Structures in Python and C++, Algorithms, Linear algebra and geometry, Calculus, Fintech-trends, Probability and Statistics.
- Programming Languages: Python, C, C++, SQL, HTML/CSS.
- Fluent in English, blindly typing
- Sportsman, lefthanded, non-drinker, non-smoker, car-driver, living separately since 15.