Roman Samoilov

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Education

Lomonosov Moscow State University, Faculty of Mechanics and Mathematics   Moscow, Russia
Specialist, Stochastic Financial Mathematics and Economics   *Since Sep 2021*
○ Joint specialisation with Vega Institute Foundation.
○ Scientific Supervisor: Prof. Ekaterina Vadimovna Bulinskaya.

Projects & Scientific Work

Startegy Backtest in Uniswap V3 pool   Moscow, Russia
Lomonosov Moscow State University, Faculty of Mechanics and Mathematics   *September 2023 – December 2023*
○ This is a project dedicated to the development and testing of liquidity placement strategies in uniswap v3, which includes working with GraphQL, delta hedging of the portfolio and the development of utility functions for a specific task.

C++ project on Network Programming   Moscow, Russia
Lomonosov Moscow State University, Faculty of Mechanics and Mathematics   *September 2023 – December 2023*
○ Development of a system for testing exchange strategies, automatic loading of up-to-date data from the exchange, as well as checking hypotheses about the dependence of futures prices and the underlying asset.

Econometrics project on Determinants of admission to MSU   Moscow, Russia
Faculty of Mechanics and Mathematics, Vega Institute Foundation   *Jan 2024 – May 2024*
○ Using panel econometric model investigated the relationship of indicators from the lists of applicants and passing scores.

QUANTATON 2024   Pushkin, Russia
Participant   *Jul 2024*
○ Lectures and Hackathon on Derivatives Pricing in C++.
○ Introduction to Data Science and ML tournament.
○ Introduction to Decentralized Finance.

Skills

Programming: C/C++, Python (numpy, pandas), R.
Software: Git, LaTeX, Wolfram Mathematica.
Language: Russian (Native), English (Intermediate).

Awards & Honours

Vega Institute Foundation Scholarship: Award for advanced studies in Mathematical Finance   *Since Feb 2023*