

# Spirin Vladislav

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## Education

**Russian Academy of National Economy and Public Administration**

Moscow, Russia

*Bachelor's degree, "Digital Economy", EMIT Institute*

2022 - Present time

•**Courses:** Data Analysis in Python, Algorithms in R, Probability Theory, Mathematical Statistics, Mathematical Analysis, Discrete Mathematics, Linear Algebra, etc

## Achievements

*Winner of the National Olympiad of schoolchildren in economics* 2022

*Winner of the final stage of the Joint Interuniversity Mathematical Olympiad and the Lomonosov Olympiad in Mathematics* 2021

## Additional Courses:

2023-2024

### R language courses in DataCamp

Working with graphs, databases and their visualization. Writing own functions to solve problems

### Python courses at DataCamp and Stepik

Working with nested lists, with basic packages. Introduction to ML

### SQL Course

Creating tables and querying them. Using subqueries and window functions

## Projects and activities

- Participated in the case championships FUCC x S+Consulting, SBR Talent Case, "Valentine's Day in Mathematics" by Tinkoff.
- Creating a financial model for the "company" using the Monte Carlo method to distribute supply and demand.
- Creating an algorithm for analyzing a securities portfolio and predicting stock market movements
- Studied the correlation of values in the proposed database, carried out graphical interpretation, smoothing by the average method
- Studied methods for solving problems with graphs - the search for the minimum path, the spanning tree and the Dijkstra algorithm. Search for the extremum using the Golden Ratio and Fibonacci Numbers method, search for the local extremum for the case of  $R^3$  and graphical interpretation
- Teaching at the TSS summer school in the subjects: mathematics, economics and higher mathematics