



# BOBKOV DENIS

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## Education

### Higher School of Economics

*Faculty of Computer Science*

- Applied Math and Information Science, 8.91/10

Moscow

*Sep. 2019 – exp. June 2023*

### Higher School of Economics

*Faculty of Economic Science*

- Financial Markets, 9/10

Moscow

*Sep. 2020 – exp. June 2022*

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## Projects

### Liquidity Forecasting

<https://github.com/retir/Liquidity-forecasting>

- Analysing different liquidity metrics for patterns that precede a market crash
- Making a model to forecast this metrics uses machine learning algorithms

### Dota 2 Pick Helper

<https://github.com/maximkm/Dota2-pick-helper>

- Analysing different sets of variables that have influence on math win probability
- Making a model that predicts the probability of victory
- Making a recommendation system that suggests heroes to pick based on created model

### Micro blog

<https://github.com/retir/microblog>

- Based on Flask and SQLAlchemy
- Contains database with posts, users and email registration

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## Experience

### Laboratory Works

<https://github.com/retir/Laboratory-works>

- A set of different laboratory works performed during study
- Made in Jupyter Notebook (Python 3)

### Algorithms and Data Structures

<https://github.com/retir/Algorithms-and-data-structures>

- A branch of programs that is written during study
- Written in C++ and Python 3, tested by Yandex.Contest

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## Courses

### Tinkoff Applied Statistic

- Parameter estimation
- A/B testing
- Production analysis

[Certificate link](#)

### Machine Learning and Data Analysis

[Certificate link](#)

#### Supervised Learning

- Linear models
- Random forest
- Neural networks

#### Databases

- Relational databases
- SQL queries

[Certificate link](#)

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## Skills

**Languages:** Python 3, C/C++, SQL

**Spoken Languages:** Russian, English

**Tools:** Jupyter Notebooks, Git, LaTeX, Docker

**Libraries:** NumPy, Pandas, Matplotlib, SciKit-Learn