

# BOBKOV DENIS

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## Education

### Higher School of Economics

Moscow

*Faculty of Computer Science (ML and applications spec)*

Sep. 2019 – exp. June 2023

- Applied Math and Information Science, 8.7/10 (top 7.75%)

### Higher School of Economics

Moscow

*Faculty of Economic Science*

Sep. 2020 – exp. June 2022

- Financial Markets, 9/10

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## Projects

### GAN starter

[github.com/retir/Style-Big-GAN](https://github.com/retir/Style-Big-GAN)

- Universal starter for GAN models written on torch
- Allow you to select parts for your network such as generator, discriminator, loss and etc.
- Works with omegaconf library which makes experiment setup more comfortable

### Telegram Notification Bot

[github.com/retir/Telegram-notification-bot](https://github.com/retir/Telegram-notification-bot)

- Bot sends custom notifications to users
- Users can select the body, time, and frequency of notifications sent

### Dota 2 Pick Helper

[github.com/maximkm/Dota2-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

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## Experience

### Tinkoff and MSU math olimpiade

[github.com/retir/certificates](https://github.com/retir/certificates)

- Prize-winner of Tinkoff and MSU math olimpiade

### Laboratory Works

[github.com/retir/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

[github.com/retir/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

[Certificate link](#)

- Parameter estimation and A/B testing
- Production analysis

### Machine Learning and Data Analysis

[Certificate link](#)

#### Supervised Learning

- Linear models
- Random forest
- Neural networks

#### Databases

[Certificate link](#)

- Relational databases
- SQL queries

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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, PyTorch