# Anatoly Sysoev

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## EDUCATION

Sep 2018 — Present

### Bachelor of Science in Applied Mathematics And Informatics, Higher School Of Economics

Moscow, Russia

- Major in Machine Learning, Linear Algebra, Probability Theory and Mathematical Statistics, Time Series and Stochastic Processes, Calculus, Algorithms and Data Structures, Databases, Business Analytics, Applied Modeling and Prediction, Business in Global Context, Elements of Econometrics, Introduction to Economics
- EconomicsGPA: 8.54/10
- Elected Captain in most of the team projects.
- Finished two first years in Course Top 10

Sep 2018 — Present

### Bachelor of Science in Data Science And Business Analytics, University Of London

London, UK

Major in Statistics, Mathematical Methods, Introduction to Economics, Business and Management in Global Context, Machine Learning, Probability Theory and Mathematical Statistics, Time Series and Stochastic Processes, Business Analytics, Applied Modeling and Prediction, Business in Global Context, Elements of Econometrics, Introduction to Economics

## EXPERIENCE

Oct 2020 — Present

### Circulatory System Ailments and Deep Neural Networks

Moscow, Russia

A project with V.A. Gromov (https://www.hse.ru/org/persons/224066548) and Russian phlebology association. I am experimenting with several models of supervised learning, in particular physics informed neural networks and neural differential equations.

Our final goal is to create a neural net that will detect vascular illnesses on MRI scans and ordinary photos made by patients.

Nov 2019 — Jun 2020

### C++: Pseudo-Boolean Approach in the SPLP

Moscow, Russia

A research project in pair with Prof. B. I. Goldengorin (https://www.hse.ru/staff/goldengorin) . The goal of the project is to show advantages of the Pseudo-Boolean approach with Khumawala preprocessing in solving the Simple Plant Location Problem (SPLP).

I am working on a programming realization of the approach. I have already created a powerful code in C++ and successfully tested it on different testbeds, in particular on Beasley's benchmark instances (Beasley, J.E., Lagrangean heuristics for location problems, European Journal of Operational Research, 1993, 65: 383-399.).

Code: https://github.com/ansys45/pseudo_boolean

Jun 2019 — Jul 2019

### Python: Community Detection in VK

Moscow, Russia

The goal was to create a graph out of some group of Vkontakte users based on set rules. I was responsible for parsing and VK API parts only and got the top grade for my work.

Links:

- Https://github.com/ansys45/project/blob/master/practika/graph_hometwon/vk_api.py
- Https://github.com/ansys45/project/blob/master/practika/graph_hometwon/check_hypo.py
- Https://github.com/ansys45/project/blob/master/practika/graph_hometwon/get_members.p

Feb 2018

### Python: Telegram Bot for Cryptocurrencies

Moscow, Russia

The project was motivated by my desire to engage in cryptocurrency trade and my interest in programming. The Idea was very simple: the bot received a name of a cryptocurrency and sent the user its exchange rate from https://api.coinmarketcap.com. The project implied working with Telegram API, API of the website above and json.

## ENTREPRENEURSHIP

Jun 2020 — Jan 2021

### Creating and Managing an Online Store

Moscow

I successfully organized an online store of electronic cigarettes (https://hqdrussia.ru/) with my partner.

My job was to organize work with distributors and do analytics. I established communication with two average distributors and organized partnership on special conditions. Our net profit was 20 % of the investments.

The website is not operating anymore, because according to a new law, online retail of electronic cigarettes is illegal.

Oct 2019 — Present

### PGE Flora Forte Distribution

Moscow, Russia

Currently I am working on distribution of Austrian fertilizer "Flora Forte" in Europe and Middle Asia. My partners and I have already signed test contracts with Institute of Agriculture of the Kabardino-Balkarian Republic and multiple companies in Uzbekistan and Kazakhstan.

Dec 2017 — Sep 2018

### JUUL Distribution

Moscow, Russia

I made an analysis of Russian e-cigarettes market and created a website (currently closed), where I tracked the activity of customers. I had a successful experience in writing a distribution proposal letter to the JUUL company (net worth $15bln at that moment) and communicating with its EMEA President Grant Winterton and his deputy. Further, cooperated with Altria Vice-President in Russia A. Ordzhonikidze.

## SKILLS

**Python: numpy, pandas, pytorch, sklearn, sktime, requests, scrapy, selenium, VK API, Telegram API**

**SQL**

**C++**

**LaTeX**

**Keynote**

## LANGUAGES

**Russian** — Native speaker

**English** — Highly proficient

**Spanish** — B2

## HOBBIES

Sports: tennis (2005 - 2010 professionally, 2010 - current time), swimming (2010 - 2015 semi-professional), boxing (2015 - 2019).

Music: Guitar and vocals. In May 2019 I participated in a concert, where I performed 3 songs.