

MICHAEL VASILKOVSKY

Software Engineer

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waytobehigh

EXPERIENCE



DBrain | Data Scientist

Aug 2019 - Oct 2019 Moscow, Russia

- Implemented confidence estimation of the document recognition pipeline used to send low-confidence predictions to crowdsourcing services (handle.ai, Yandex.Toloka) for real-time labeling.
- Such a mechanism decreased error rate by about 5 times in a cost of 20% of additional human verification.



NeuroCore | Data Scientist

Apr 2019 - Jul 2019 Moscow, Russia

- Led a project on high-precision detection of potentially dangerous items on X-ray video stream of luggage.
- Managed a team of 3 data scientists.
- Having started without any data our team solved the aforementioned task with precision 0.95 and almost full recall in 4 months.
- The algorithm was finally applied in the Hermitage museum.



iPavlov | Research Data Scientist

May 2018 - Feb 2019 Moscow, Russia

- Studied text classification methods in case of imbalanced classes (hierarchical classification, data augmentation in NLP).
- Prototyped and maintained AutoFAQ – automated question answering B2B service.

EDUCATION



MSc | Applied Math and CS

Skolkovo Institute of Science and Technology

2019 - Present Moscow, Russia



Yandex School of Data Analysis

Yandex | Big Data Track

2017 - 2019 Moscow, Russia

Relevant courses: Algorithms and Data Structures, Machine Learning (part 1, part 2), Applied Statistics in Machine Learning, Advanced Python, Advanced C++, Parallel and Distributed Computations, Natural Language Processing, Big Data, Advanced Deep Learning, Reinforcement Learning



BSc | Applied Math and Physics

Moscow Institute of Physics and Technology

2015 - 2019 Moscow, Russia

Relevant courses: C fundamentals, Calculus, Linear Algebra, Probability Theory, Discrete Mathematics, Computational Mathematics, Parallel Algorithms, Random Processes

EXTRACURRICULAR



Sberbank | Lecturer

Fall 2019 Moscow, Russia

- Developed and delivered a crash course in Data Science.
- Mentored a group of 20 product owners and team leaders from several Sberbank IT teams.

International competitions



Junction | Awardee

Nov 2018 Helsinki, Finland

Domestic competitions



Mail.ru Hack | Awardee

Dec 2018 Moscow, Russia



Photo Lab Hack | Winner

Jun 2018 Moscow, Russia



Modulbank Hack | Awardee

Apr 2018 Moscow, Russia

TECHNOLOGY STACK

General purpose

Python

C++

C

Git

CI

Linux

Bash

Docker

SQL

ML / DL

NumPy

Pandas

Scikit-learn

PyTorch

Keras

Tensorflow

Web / Backend

Flask

HTML

Bootstrap

Scalability

PySpark

C++ threads

Async

OTHER

- Member of the varsity volleyball team
- Visited more than 20 countries in both Europe and Asia
- Practice 30+ minutes continuous meditation on a daily basis
- Half-marathon runner