Michael Vasilkovsky

Date of Birth	7^{th} July 1997	**Mobile Phone**	+7 (925) 943 9468
City	Moscow	**E-mail**	waytobehigh@gmail.com
		Github	waytobehigh

Education

2015 - 2019 Moscow Institute of Physics and Technology (MIPT)

Major:	Applied Mathematics and Physics
Minor:	Radio Engineering and Cybernetics

2017 - 2019 Yandex School of Data Analysis (YSDA)

Direction:	Big Data

2019 - Present Skolkovo Institute of Science and Technology (Skoltech)

Major:	Applied Mathematics and Computer Science
Minor:	Data Science

Relevant Courses

MIPT Calculus, Linear Algebra, Probability Theory, Discrete Mathematics, Computational Mathematics, Parallel Algorithms, Random Processes

YSDA Advanced Probability, Algorithms and Data Structures, Applied Statistics in Machine Learning, Machine Learning, Advanced Python, Advanced C++, Parallel and Distributed Computations, Natural Language Processing, Big Data, Advanced Deep Learning, Reinforcement Learning, ML Engineering

Work Experience

May 2018 - Feb 2019 Laboratory of Neural Systems and Deep Learning at MIPT (known as iPavlov)
Research Data Scientist

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

Apr 2019 - Jul 2019 NeuroCore
Data Scientist

Reached a solid baseline in a project on high-precision detection of potentially dangerous items on X-ray of luggage. Having started without any data our team solved detection task with precision 0.95 and almost full recall. First time tried myself as a team leader.

Aug 2019- Present DBrain
Data Scientist

Structured document recognition. Implemented confidence estimation of the final prediction of the whole recognition pipeline in order to improve accuracy by additional human verification (Human in the Loop).

Activities

- **Modulbank AI Hack**

  Awardee, April 2018, Moscow
  Building a recommendation system of bank's services based on common information about client

- **Photo Lab Hack**

  Winner, June 2018, Moscow
  Online event-based visual content generation (connected with Football Championship)

- **Junction (Finland)**

  Awardee, November 2018, Helsinki
  Event-based hint generation for support workers integrable with SAP Customer Service
  The biggest hackathon in Europe

- **Mail.ru Hack**

  Awardee, December 2018, Moscow
  Toxic reviews classification

Technologies I worked with

- **Programming languages**

  Python, C++, C

- **Workflow and SWE**

  Linux, Git, Docker, CI

- **Machine Learning**

Data processing	*NumPy, Pandas, pyspark*
NN frameworks	*PyTorch, Keras, beginner in Tensorflow, catalyst*
Visualisation	*matplotlib, seaborn*
ML libs	*sklearn, boosting algorithms (xgboost, CatBoost etc.)*

- **Parallel and distributed computations**

C/C++ family	*C++ threads, CUDA, OpenMP, OpenACC, MPI*
Python family	*Python threading, Pyro4*

- **Web**

  Flask, bare basics of HTML, CSS and Bootstrap

- **Languages**

  Russian, English