Michael Vasilkovsky

Date of Birth	7^{th} July 1997	**Mobile Phone**	+7 (925) 943 9468
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Education

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

Department: Radio Engineering and Cybernetics
Direction: Applied Mathematics and Physics

2017 - Present Yandex School of Data Analysis (YSDA)

Direction: Big Data

Completed 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

Online courses Graph Theory

Experience

May 2018 - Feb 2019 Laboratory of Neural Systems and Deep Learning (known as iPavlov)
Intern researcher (supervisors: Evgeny Botvinovskii, Mikhail Burtsev)

- Study of text classification methods in case of imbalanced classes (hierarchical classification, data augmentation)
- Prototyping of a brand new product AutoFAQ – automated question answering B2B service

Achivements

- **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 review classification

Technology stack

- **General purpose**

  Python, C++, C, Linux, Git

- **Machine Learning**

Data processing	*NumPy, Pandas*
NN frameworks	*PyTorch, Keras, Tensorflow*
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, PyMP, joblib, Pyro4*
Big Data	*pyspark, Vowpal Wabbit*

- **Web**

  Flask, BS4, bare basics of HTML, CSS and Bootstrap

Languages

- **Russian**

  Native speaker

- **English**

  Advanced