MICHAEL VASILKOVSKY

Software Engineer

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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 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

📅 Sep 2019 - Present   ⚲ Moscow, Russia

Yandex School of Data Analysis

Yandex | Big Data Track

📅 Sep 2017 - Jun 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

📅 Sep 2015 - Jun 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
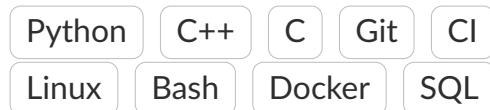
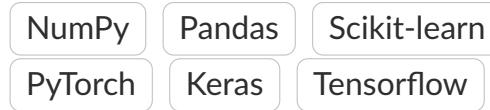📅 Jun 2018   ⚲ Moscow, Russia

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