Larisa Markeeva

Experience

Nov 2017–now **Skoltech**, *Junior Researcher*, Tensor networks and deep learning lab, Moscow.
Signal processing using Deep Learning, and research in Tensor Decompositions area.
Supervisor: *Andrzej Cichocki*

Jun 2016 – Sep 2017 **Mail.Ru Group**, *Data Scientist*, Data Analysis Department, Moscow.
Users and Internet domains clustering. Text mining in social networks.
Sentiment analysis for social networks. VK.com, OK.ru

Jul 2015 – Jun 2016 **Mail.Ru Group**, *Intern Data Scientist*, Data Analysis Department, Moscow.
User behavior prediction and grouping by interests in VK.com and OK.ru.
Deploying new models into the targeting system.

Jul 2014 – Jul 2015 ||**Parallels**, *Research Intern*, Moscow.
Time series analysis for guest virtual machines of Parallels Desktop.

Sep 2013 – Jun 2014 **Moscow Institute of Physics and Technology**, *Engineer*, Moscow.
Development of a memory management algorithm for Parallels Desktop.
Statistical analysis of performance logs for memory consumption prediction.

Tutoring

Sep 2016 – Aug 2017 **Moscow Institute of Physics and Technology**, *Teaching assistant*, Moscow.
Teaching assistant for the course "Introduction to Python".

Education

Formal education

2015 – now **Ph.D. in Applied Math**, *Moscow Institute of Physics and Technology*, Department of Control and Applied Math, Moscow.
An application of Quantized Tensor Train decomposition (QTT) for fast and time/memory efficient approximate solutions of elliptic partial differential equations on domains with an arbitrary shape.
Supervisor: *Ivan Oseledets*

2013 – 2015 **MSc in Applied Math**, *Moscow Institute of Physics and Technology*, Department of Control and Applied Math *(GPA 4.8/5; graduated cum laude)*, Moscow.

2008 – 2012 **BSc in Computer Science**, *Moscow State Aviation Tech University (GPA 5/5; graduated cum laude)*, Moscow.

Additional education

2017 – now **Yandex School for Data Analysis**, *Computer Science track*.

Online courses

Spring 2017 **Algorithmic Toolbox**, *Coursera*, 100%.

Spring 2016 **Unsupervised Learning**, *Coursera*, 89.7%.

Spring 2016 **Supervised Learning**, *Coursera*, 98.2%.

Spring 2016 **Math and Python for Data Scientists**, *Coursera*, 100%.

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Technical skills

Programming languages

Experienced	Python
Comfortable	C/C++, Java, Matlab
Acquainted	R, Bash, JavaScript, Wolfram, Maple

Tools

Python libraries	`pandas`, `matplotlib`, `nltk`, `gensim`, `xgboost`, `numpy`, `scipy`, `pillow`, `scikit-learn`, PySpark, PyTorch, TensorFlow, Django
Other libraries	OpenCV, Protobuf
Databases	SQLite, MySQL, HiveQL
Other	`git`, `svn`, `bash`, Hadoop, Spark, Docker, Luigi, Linux Kernel, Windows Kernel, LaTeX, SolidWorks
Platforms	Linux, Windows, MacOS

Summer Schools & Hackhathons

Aug 2017	**Deep Bayes School**, *Higher School of Economics*, Moscow.
Jun 2016	**Deep Machine Intelligence and its Applications**, *Skoltech*, Moscow.
Jul 2015	**Deephack**, *Moscow Institute of Physics and Technology*, Moscow.
Sep 2015 – Sep 2017	**Moscow Data Science Meet-ups**, *Mail.Ru Group*, Moscow.
Aug 2012	**Summer School for High-Performance Computing**, *Moscow Institute of Physics and Technology*, Moscow.

Publications

2018 **QTT-isogeometric solver in two dimensions**, *Markeeva L., Tsybulin I., Oseledets I.*, under review, Numerical Linear Algebra with Applications, arXiv preprint arXiv:1802.02839.

2015 **Estimating Working Set Size by Guest OS Performance Counters Means**, *Markeeva L., Melekhova A.*, Cloud Computing 2015.

2014 **Homogeneity of Virtualization Events Generated by Various Operating Systems**, *Markeeva L., Melekhova A., Tormasov A.*, Trudi MFTI (in Russian).

Languages

Russian	Native
English	Upper-Intermediate

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