Marina Munkhoeva

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maremun.github.io

RESEARCH INTERESTS

Generative modelling, fast kernel methods, tensor networks, natural language processing

PUBLICATIONS

M. Munkhoeva, Y. Kapushev, E. Burnaev and I. Oseledets,
Quadrature-based features for kernel approximation (Spotlight)
Neural Information Processing Systems (NeurIPS 2018)
arxiv.org/abs/1802.03832, code: github.com/maremun/quffka

A.Tsitsulin*, **M. Munkhoeva***, D. Mottin, P. Karras, A. Bronstein, I. Oseledets, E. Müller
The Shape of Data: Intrinsic Distance for Data Distributions
International Conference on Learning Representations (ICLR 2020)
arxiv.org/abs/1905.11141

A.Tsitsulin*, **M. Munkhoeva***, D. Mottin, P. Karras, I. Oseledets, L. Kamma and E. Müller
Anytime Optimal Graph Embeddings (In submission)

EDUCATION

Skolkovo Institute of Science and Technology (Skoltech)
Ph.D. student, Computer Science (expected October 2020)
Advisor: Ivan Oseledets
Thesis (working title): Distribution Learning

Skolkovo Institute of Science and Technology (Skoltech)
M.Sc. in Computational Mathematics, June 2016
Advisor: Ivan Oseledets
Thesis: Using deep neural networks for machine translation with non-parallel corpora

Massachusetts Institute of Technology (MIT)
Visiting student, Fall 2015

National Research University Higher School of Economics (NRU HSE)
Bachelor Degree, June 2014, GPA 4.9/5, magna cum laude (top 3%)

SUMMER SCHOOLS

Summer School on Deep Learning and Bayesian Methods
26-30 August 2017, Moscow, Russia
Machine Learning Summer School, 2019
15-26 July 2019, London, UK

EXPERIENCE

Research Assistant, Skoltech, Sep 2016 – present
Internship, Google X, Jul 2019 – Jan 2020

TEACHING EXPERIENCE

Teaching Assistant	Numerical Linear Algebra	Fall 2018, 2017, 2016
Instructor	Reproducible Research with Docker	Jan 2018, 2019
Instructor	Mathematical and technical writing in English	Jan 2017

RELEVANT SKILLS

Programming	Python, JAX, PyTorch, Tensorflow
Machine Learning	Deep Learning, Generative models (flows, GANs, VAEs), Kernels
Miscellaneous	LaTeX, Git, Docker, Linux, cluster administration, SQL

OTHER

Server administration, I support and maintain our laboratory's computational resources.
NLA bot, developed a Telegram bot for home assignment submission, testing and auto-grading.
github.com/maremun/nlabot

AWARDS

Spring 2019	The Ilya Segalovich Award for young researchers, a scholarship from Yandex
Spring 2019	MLSS in London 2019 Travel Grant
Fall 2018	NeurIPS Travel Grant
Spring 2014	NRU HSE Scholarship (for best academic performance)