

EDUCATION

- **University of Cambridge, Department of Engineering** Cambridge, United Kingdom
PhD program. Supervisor: Dr. A. Weller. Advisor: Dr. J. M. Hernández-Lobato. 2019-present
- **Skoltech, Higher School of Economics** Moscow, Russia
Joint MSc program "Statistical Learning Theory". Academic Excellence Diploma; GPA: 5.0/5.0. 2017-2019
- **Yandex School of Data Analysis** Remote, Russia
A Master-level program in Data Analysis; GPA: 4.86/5.0. 2015-2017
- **Ural Federal University** Yekaterinburg, Russia
BSc program in Computer Science; GPA: 4.95/5.0. 2013-2017

PUBLICATIONS - *click on a paper name to link to the full text*

- K. Choromanski*, [V. Likhosherstov*](#), et al. *Rethinking Attention with Performers*. ICLR 2021 (**Oral**).
Google AI Blog.
- [V. Likhosherstov*](#), K. Choromanski, J. Davis, X. Song, A. Weller. *Sub-Linear Memory: How to Make Performers SLiM.* NeurIPS 2021.
- [V. Likhosherstov*](#), X. Song*, K. Choromanski, J. Davis, A. Weller. *Debiasing a First-order Heuristic for Approximate Bi-level Optimization*. ICML 2021.
- [V. Likhosherstov*](#), J. Davis*, K. Choromanski, A. Weller. *CWY Parametrization: a Solution for Parallelized Learning of Orthogonal and Stiefel Matrices*. AISTATS 2021.
- [V. Likhosherstov](#), Y. Maximov, M. Chertkov. *Inference and Sampling of K_{33} -free Ising Models*. ICML 2019.
- [V. Likhosherstov](#), Y. Maximov, M. Chertkov. *Tractable Minor-free Generalization of Planar Zero-field Ising Models*. JSTAT ML 2020.
- K. Choromanski*, J. Davis*, [V. Likhosherstov*](#), et al. *An Ode to an ODE*, NeurIPS, 2020.
- K. Choromanski, D. Cheikhi*, J. Davis*, [V. Likhosherstov*](#), et. al. *Stochastic Flows and Geometric Optimization on the Orthogonal Group*. ICML 2020.
- K. Choromanski*, H. Chen*, H. Lin*, Y. Ma*, A. Sehanobish*, D. Jain, M. S Ryoo, J. Varley, A. Zeng, [V. Likhosherstov](#), D. Kalashnikov, V. Sindhvani, A. Weller. *Hybrid Random Features*. ICLR 2022.
- [V. Likhosherstov*](#), A. Arnab*, K. Choromanski, M. Lucic, Y. Tay, A. Weller, M. Dehghani. *PolyViT: Co-training Vision Transformers on Images, Videos and Audio*. Arxiv:2111.12993, 2021.
- [V. Likhosherstov*](#), K. Choromanski*, A. Weller. *On the Expressive Power of Self-Attention Matrices*. Arxiv:2106.03764, 2021.

WORK EXPERIENCE

- **Google Brain** Cambridge, United Kingdom
Student Research Program (part-time position) 2021-2022
Conducting research in the are of scalable and multimodal Transformers. Hosts: Mario Lucic, Krzysztof Choromanski.
- **Samsung AI Center** Moscow, Russia
Research Internship. supervisor: Prof Victor Lempitsky (Skoltech) Summer 2018
Translating 3D human pose data into a high-resolution image of a person using deep learning.

- **Google UK Ltd** London, United Kingdom
Software Engineering Internship *Summer 2017*
 Adding new features for a Sibyl classifier for large-scale internal machine learning task.
- **Google Summer of Code** Remote
Participation *Summer 2016*
 A contribution to the Statsmodels package for statistics and econometrics.
- **SKB Kontur** Yekaterinburg, Russia
Software Engineer (part-time position) *2016-2017*
 Implementation of the named entity recognition system for Russian language.

AWARDS AND SCHOLARSHIPS

- **Funding Award, Department of Engineering** *2019-present*
University of Cambridge
 An annual contribution towards PhD stipend and tuition fees.
- **Cambridge Trust Scholarship** *2019-present*
University of Cambridge
 An annual contribution towards PhD stipend and tuition fees.
- **Travel Award** *2019*
Long Beach, CA
 Student travel award to attend 36th International Conference on Machine Learning.