

Alisa Sheinkman

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26 y.o. | London, UK

EDUCATION

University of Edinburgh

PhD in Maths - Yet to obtain

Edinburgh, UK

Sept. 2020 - Now

University of Cambridge, Girton College

MASt in Mathematical Statistics, average 71.0, essay 87.0 out of 100

Cambridge, UK

Sept. 2019 - Jul. 2021

NRU Higher School of Economics

Bachelor of Mathematics, Minor in Economics, GPA 9.34 out of 10

Moscow, Russia

Sept. 2015 - Jun. 2019

EXPERIENCE

Alan Turing Institute Data Study Group participant

The Alan Turing institute

Dec 2022

London, UK

- Develop and test deep learning model structures for predicting the perception of various urban sounds.
- Investigate whether the inclusion of sound source information improves the ability to predict noise annoyance ratings.

Graduate Teaching Assistant

Kings College London

Sept. 2022 - Now

London, UK

- Provide tutorials on Fundamentals of Probability, Intro to Dynamical Systems, Probability and Statistics, mark homeworks and exams

Market Analyst

Nielsen IQ

Nov 2021 - Dec 2021

Moscow, Russia

- Provide analysis of Nielsen Retail Measurement Data helping to answer client's business questions.
- Present analysis results to internal and external clients driving client overall understanding of practices solutions and its applicability for client business needs.

Ph.D. student

University of Edinburgh

Sept 2020 - Now

Edinburgh, UK

- Research Conduct a research in Bayesian Statistics and develop advances in deep modelling via Bayesian approach. PhD project studies:
 - (i) Efficient inference schemes for Bayesian deep models, mainly Variational Inference algorithms with such examples as Coordinate Ascent Variational Inference or Stochastic Variational Inference.
 - (ii) Model selection problem, choice and importance of appropriate sparsity promoting priors for improving the prediction accuracy and calibration of Deep Neural Networks.
- Teaching Teaching assistant on Honours Algebra, Calculus and Applications, and Proofs and Problems courses. Tutor on example classes and workshops, check assignments, help undergraduate students to understand the subject.

Research intern

May 2018 – Jun. 2019

*International Laboratory Of Representation Theory and Mathematical Physics, HSE**Moscow, Russia*

- **Research** Conduct a research in braid groups and quantum matrix algebras, participate in workshops and reading groups. Braid groups and quantum matrix algebras formed basis for quantum computing, which is applied in cryptography and machine learning.

Teaching assistant

Jan. – Jun. 2018

*Higher School of Economics**Moscow, Russia*

- **Tutoring** Individually help students with Mathematical Calculus, hold oral exams.

CONFERENCES

BAYSM + ISBA world meetings

June-July, 2024

*Participant + Presenter**Venice , Italy*

- Contributed talk at the Bayesian Young Statisticians Meeting and the International Society for Bayesian Analysis World Meeting.

CfS Annual Conference + ECR day

June 2024

*Participant + Presenter**Edinburgh , UK*

- A talk on Early Career Researches Day and a poster at Centre for Statistics Annual Conference.

Bayes at CIRM

October 2023

*Participant**Marseille , France***BayesComp**

March 2023

*Participant**Levi, Finland***CfS Annual Conference + CfS PhD student day**

June 2022

*Participant + Organizer**Edinburgh, UK***CfS+CfDB Research Afternoon**

May 2022

*Participant**Edinburgh, UK***SKILLS**

Languages: English (fluent), Russian (native), French (beginner)**Programming:** Python with libraries including SciPy, Pyro, Pytorch, JAX,
SAGE, HTML, confidence with GitHub**General IT:** MS office, L^AT_EX**Communication:** Delivered seminars and gave oral presentations on workshops.
Wrote a bachelor's thesis, master's essay and annual reviews.**Teamwork:** Currently working on a paper with three other people.
Participated in intensive collaborative projects.**Other:** Analytical thinking, planning, working well under pressure, empathy, respectfulness.**EXTRA**

OVD-info volunteer (human rights defence and media group)**Other interests** are philosophy and politics, boxing (doing now), professional figure skating (did 2002-2014)