

Alisa Sheinkman

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25 y.o. | London, UK

EDUCATION

University of Edinburgh

PhD in Maths - Yet to obtain

Edinburgh, Scotland

Sept. 2020 - Now

University of Cambridge, Girton College

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

Cambridge, England

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

London School of Economics, Summer Courses

Advanced Econometrics, Fixed Income Securities, Debt Markets and the Macro Economy

London, England

Jun. - Aug. 2018

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, 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

BayesComp

March 2023

*Participant**Levi, Finland*

- Bayes Comp is the biennial conference of the Bayesian Computation Section of the International Society for Bayesian Analysis.

CfS PhD student day

June 2022

*Organizer**Edinburgh, UK*

- Satellite event of the CfS Annual Conference aiming is to foster knowledge exchange among PhD students working with data.

CfS Annual Conference

June 2022

*Participant**Edinburgh, UK*

- The Centre for Statistics conference brings together researchers working with data from across the University of Edinburgh and Associated Institutions.

CfS+CfDB Research Afternoon

May 2022

*Participant**Edinburgh, UK*

- Joint research meeting between the Centre for Statistics and the Centre for Discovery Brain Sciences held to promote collaboration between neuroscience and statistics communities in Edinburgh

SKILLS

Languages: English (fluent), Russian (native), French (beginner)**Programming:** Python with libraries including SciPy, Pyro, Pytorch, Tensorflow, 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)