Akash Srivastava

General Information

Affiliation	*Institute of Language, Cognition and Computation, School of Informatics, University of Edinburgh*
Supervisor	Dr Charles Sutton and Dr Micheal Gutmann
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Education

2014–2017	**PhD**, *ILCC, Informatics Forum*, University of Edinburgh, *UK*.
	Variational Inference in Deep Generative Models and Interactive Machine Learning.
	Under Dr Charles Sutton and Dr Micheal Gutmann
2013–2014	**MSc Informatics**, *School of Informatics*, University of Edinburgh, *Distinction*.
	Machine Learning, Data Science and Natural Language Processing.
	Thesis under Dr Victor Lavrenko
2009–2013	**BSc Artificial Intelligence and Computer Science**, *DCS*, University of Sheffield, *First Class Honours*.
	Thesis under Prof. Fabio Ciravegna and Dr Trevor Cohn

Experience

Industry

2011–2012	**Intern**, *Microsoft Technology Center*, Reading, UK.

- Provided technical support for Proof of Concept and Architectural Design sessions.
- Technical presentations to high profile customers.
- Achieved the Whitecoat Award.
- Implemented a Kinect-based MTC Demo App.

Research

2013	**Summer Research Intern**, *OAK Group*, University of Sheffield.
	Developed a novel method for real-time detection of events with low statistical support in Twitter stream to be used for crowd control in music festival.
July-September (2017)	**Research Intern**, *Microsoft Research, Cambridge*.
	Inference in web scale unsupervised learning problems.

Teaching

2015–2016	**Tutor**, *Research Methods*, Informatics Forum.
	Tutored MSc students in the Machine Learning Degree.

Scholarships and Awards

PhD Xerox Rank Scholarship

PhD School of Informatics Scholarship

MSc Informatics Global Scholarship

Bsc Sheffield Global Scholarship

Publications and Thesis

1 Akash Srivastava and Charles Sutton. Autoencoding Variational Inference for Topic Models. ICLR, 2017.

2 Akash Srivastava, James Zou, Ryan P. Adams, and Charles Sutton. Clustering with a Reject Option: Interactive Clustering as Bayesian Prior Elicitation. IDEA, KDD, 2016 (Oral).

3 Akash Srivastava and Charles Sutton. Deep Pachinko Allocation Machine. (Under review).

4 Akash Srivastava, Lazar Valkov, Chris Russell, Micheal Gutmann and Charles Sutton. Variational Inference for GANs. (Manuscript in Preparation).

5 Sofia Ceppi, Zhenyu Wen, Michael Rovatsos, Akash Srivastava, Pavlos Andreadis, and Stuart Anderson. From Optimisation to Recommendation: Scaling up Smart Ridesharing Systems. (In Preparation)

6 Akash Srivastava. Event Detection in Twitter for Music Festivals. Internal Technical Report, 2013.

7 Akash Srivastava. Burst Detection Modulated Document Clustering: A Partially Feature-Pivoted Approach To First Story Detection. Masters Thesis, 2014 under Dr Victor Lavrenko.

8 Akash Srivastava. Question Detection in Twitter. BSc Thesis, 2013 under Prof. Fabio Ciravegna.