

Sharan Vaswani
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Current Position

- **Mila, University of Montreal** Montreal, Canada
Postdoctoral Researcher *January 2019 -*

Education

- **University of British Columbia** Vancouver, Canada
Doctor of Philosophy (Computer Science) *Sep 2015 - Dec 2018*
 - Supervisors: Mark Schmidt, Laks Lakshmanan
 - Thesis: Structured Bandits and Applications
- **University of British Columbia** Vancouver, Canada
Master of Science (Computer Science) *Sep 2013 - July 2015*
 - Supervisor: Laks Lakshmanan
 - Thesis: Influence Maximization in Bandit and Adaptive settings
 - Overall GPA: 4.32 / 4.33
- **Birla Institute of Technology and Science, Pilani** Goa, India
Bachelor of Engineering (Computer Science) *Aug 2008 - July 2012*
 - Overall GPA: 9.37 / 10

Selected Publications

- “Garbage In, Reward Out: Bootstrapping Exploration in Multi-Armed Bandits”, Branislav Kveton, Csaba Szepesvari, **Sharan Vaswani**, Zheng Wen, Mohammad Ghavamzadeh, Tor Lattimore. International Conference on Machine Learning (ICML), 2019.
- “Fast and Faster Convergence of SGD for Over-Parameterized Models and an Accelerated Perceptron”, **Sharan Vaswani**, Francis Bach, Mark Schmidt. International Conference on Artificial Intelligence and Statistics (AISTATS), 2019.
- “Online Influence Maximization under Independent Cascade Model with Semi-Bandit Feedback”, Zheng Wen, Branislav Kveton, Michal Valko, **Sharan Vaswani**. Neural Information Processing Systems (NIPS), 2017.
- “Model-Independent Online Learning for Influence Maximization”, **Sharan Vaswani**, Branislav Kveton, Zheng Wen, Mohammad Ghavamzadeh, Laks Lakshmanan, Mark Schmidt. International Conference on Machine Learning (ICML), 2017.
- “Horde of Bandits using Gaussian Markov Random Fields”, **Sharan Vaswani**, Mark Schmidt, Laks Lakshmanan. International Conference on Artificial Intelligence and Statistics (AISTATS), 2017. (**Oral presentation**)
- “Influence Maximization with Bandits”, **Sharan Vaswani**, Laks Lakshmanan, Mark Schmidt. NIPS workshop on Networks in the Social and Information Sciences, 2015.

Selected Preprints

- “Painless Stochastic Gradient: Interpolation, Line-Search, and Convergence Rates”, **Sharan Vaswani**, Aaron Mishkin, Issam Laradji, Mark Schmidt, Gauthier Gidel, Simon Lacoste-Julien’. arXiv:1905.09997, 2019.

- “New Insights into Bootstrapping for Bandits”, **Sharan Vaswani**, Branislav Kveton, Zheng Wen, Anup Rao, Mark Schmidt, Yasin Abbasi-Yadkori. arXiv:1805.09793, 2018.
- “Combining Bayesian Optimization and Lipschitz Optimization”, Mohamed Osama Ahmed, **Sharan Vaswani**, Mark Schmidt. arXiv:1810.04336, 2018.

Work Experience

- **Inria Paris** Paris, France
Intern May 2018 - July, 2018
- **Apple** Seattle, USA
Intern June 2017 - August, 2017
- **Limespot** Vancouver, Canada
Machine Learning Consultant March - May 2017; Sept, 2017 - Oct, 2017
- **Adobe Research** San Jose, USA
Data Scientist Intern Aug 2016 - Oct 2016
- **University of British Columbia** Vancouver, Canada
Teaching Assistant Sep 2013 - Dec 2018
- **Siemens Corporate Research and Technologies** Bangalore, India
Research Engineer, Parallel Systems July 2012 - June 2013
- **Siemens Corporate Research and Technologies** Bangalore, India
Research Intern, Parallel Systems January 2012 - June 2012
- **Birla Institute of Technology and Science, Pilani** Goa, India
Teaching Assistant Aug 2012 - Dec 2012
- **Indira Gandhi Centre for Atomic Research** Kalpakkam, India
Intern May 2010 - July 2010

Patents

- “Influence Maximization Determination in a Social Network System”, **Sharan Vaswani**, Branislav Kveton, Zheng Wen, Mohammad Ghavamzadeh. US Patent Application, 2018.

Awards

- Postdoctoral Scholarship awarded by The Institute for Data Valorization (IVADO) (2019 - 2021).
- Four Year Doctoral Fellowship awarded by the University of British Columbia (2015 - 2018).
- Merit Scholarship awarded by the Birla Institute of Technology and Science, Pilani (2008-2010).
- Travel award for AISTATS 2017, ICML 2017-2019, NIPS 2017.
- Top 30% of highest scoring reviewers for NIPS 2018.

Service

- Conference reviewer for ICLR’18-’19, NIPS’17-’19, ICML’17-’19, AISTATS’19, JMLR, IEEE TNNLS
- Conference volunteer for NIPS’16.
- Volunteer in the UBC Computer Science Graduate Admissions committee for 2016-2017, 2017-2018.
- Student representative in the UBC Computer Science Faculty Recruiting committee for 2015-2016.
- Conference sub-reviewer for SIGMOD’18, AAAI’17,’18, WWW’17, SDM’15,’17, KDD’16,’17, ICDM’14.