Ashton Anderson

ashton @cs.toron to.edu

EMPLOYMENT	
University of Toronto, Toronto, ON, Canada Assistant Professor, Department of Computer Science. Faculty Affiliate, Vector Institute for Artificial Intelligence. Research Fellow, Behavioural Economics in Action at Rotman.	2017–present
Microsoft Research, New York, NY, USA Postdoctoral Researcher, Computational Social Science group	2015-2017
EDUCATION	
Stanford University, Stanford, CA, USA Ph.D. in Computer Science. <i>Advisor:</i> Jure Leskovec.	2010-2015
Stanford University, Stanford, CA, USA M.S. in Computer Science. Advisor: Yoav Shoham. Specialization: Algorithmic game theory.	2008–2010
McGill University, Montreal, Canada B. Eng. in Software Engineering (with distinction).	2004-2008
Selected Awards and Honors	
Invited to "Best Papers of KDD 2016" TKDD Special Issue Keynote Speaker at WIN 2015 Best paper runner-up at WWW2014 Google Ph.D. Fellowship in Social Computing (with third-year extension), 2012–2015 NSERC Postgraduate Scholarship M, 2008–2010	
Selected Papers	
Personal Bests as Reference Points.A. Anderson, E. Green.Proceedings of the National Academy of Sciences (PNAS), 2018	
Understanding the Origins of Bias in Word Embeddings, 2018.M. Brunet, C. Alkalay-Houlihan, A. Anderson, R. Zemel.Under review, 2018	
How Constraints Affect Content: The Case of Twitter's Switch from 140 to 280 Characters.K. Gligoric, A. Anderson, R. West.Proceedings of the International Conference on the Web and Social Media (ICWSM), 2018	
Mapping the Invocation Structure of Online Political Interaction. M. Raghavan, A. Anderson, J. Kleinberg.	

Proceedings of the 27th International Conference on the World Wide Web (WWW), 2018

Auditing Search Engines for Demographic Bias in Performance.R. Mehrotra, A. Anderson, F. Diaz, A. Sharma, H. Wallach, E. Yilmaz.Proceedings of the 26th International Conference on the World Wide Web (WWW), 2017

Assessing Human Error Against a Benchmark of Perfection. A. Anderson, J. Kleinberg, S. Mullainathan. ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD), 2016 Invited and accepted to TKDD Special Issue on "Best Papers of KDD 2016"

Exploring limits to prediction in complex social systems.T. Martin, J. Hofman, A. Sharma, A. Anderson, and D. Watts.Proceedings of the 25th International Conference on the World Wide Web (WWW), 2016

Global Diffusion via Cascading Invitations: Structure, Growth, and Homophily.A. Anderson, D. Huttenlocher, J. Kleinberg, J. Leskovec, and M. Tiwari.Proceedings of the 24th International Conference on the World Wide Web (WWW), 2015

The Structural Virality of Online Diffusion. S. Goel, A. Anderson, J. Hofman, and D. Watts. *Management Science*, 2015

Engaging with Massive Online Courses. A. Anderson, D. Huttenlocher, J. Kleinberg, and J. Leskovec. Proceedings of the 23rd International Conference on the World Wide Web (WWW), 2014 Best paper runner-up

The Dynamics of Repeat Consumption. A. Anderson, R. Kumar, A. Tomkins, and S. Vassilvitskii. Proceedings of the 23rd International Conference on the World Wide Web (WWW), 2014

Steering User Behavior With Badges.A. Anderson, D. Huttenlocher, J. Kleinberg, and J. Leskovec.Proceedings of the 22nd International Conference on the World Wide Web (WWW), 2013

Discovering Value from Community Activity on Focused Question Answering Sites: A Case Study of Stack Overflow. A. Anderson, D. Huttenlocher, J. Kleinberg, and J. Leskovec. ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD), 2012

Effects of User Similarity in Social Media. A. Anderson, D. Huttenlocher, J. Kleinberg, and J. Leskovec. ACM International Conference on Web Search and Data Mining (WSDM), 2012

COMMUNITY SERVICE

Reviewer for WWW 2013, IJCAI 2013, WSDM 2014, Communications of the ACM (CACM), Journal of Artificial Intelligence Research (JAIR), Transactions on the Web (TWEB), Transactions on Economics and Computation (TEAC), Transactions on Knowledge and Data Engineering (TKDE) PC member for KDD 2014, ICWSM 2016, IJCAI 2016, KDD2016, WSDM 2016, ICWSM2017, WSDM2017, WWW2017, WWW2018, WWW2019

INDUSTRIAL EXPERIENCE

Spotify , London, England <i>Research contractor</i> with Tech Research.	2018
Microsoft Research , New York City, USA <i>Postdoctoral Fellow</i> in the Computational Social Science group.	2015 - 2017
LinkedIn , Mountain View, CA, USA <i>Research contractor</i> under Deepak Agarwal.	2013–2015
Facebook Core Data Science, Menlo Park, CA, USA Research Intern under Lada Adamic.	Summer 2014

Google, Mountain View, CA, USA Research Intern under Andrew Tomkins.	Summer 2013
Microsoft Research, New York City, NY, USA Research Intern under Sharad Goel.	Summer 2012
Yahoo! Research, New York City, NY, USA Research Intern under Duncan Watts.	Summer 2011
GRANTS	
\$204,000 Research Grant — Canada Foundation for Innovation Computational Social Science Lab	2018-2023
\$165,000 Research Grant — National Science and Engineering Research Council Behavioural Computation: Analysis, Models, and Algorithms for Supporting Human Improvement or	2018–2023 n the Web
TEACHING	
Social and Information Networks (CSCC46) Third-year undergraduate course	2017-2018
Topics in Computational Social Science (CSC2552) Graduate seminar	2018-2019
STUDENT ADVISING	
PhD: • Reid McIlroy-Young, 2018–	

• Lillio Mok, 2018–

Master's:

- Marc-Etienne Brunet, 2017–
- George Lifchits, 2018–
- $\bullet\,$ Irene Jiang, 2017–2018
- Aditya Subramanian, 2018–

Undergraduate:

- $\bullet\,$ Shunzhe (Luffy) Yu, 2017–2018
- Inioluwa Raji, 2018–
- Isaac Waller, 2017–

Patent

Recommending candidates for consumption.

Sergei Vassilvitskii, Andrew Tomkins, Shanmugasundaram Ravikumar, Ashton Anderson. US Patent 9,471,572, 2016.