

JAMES CAVERLEE
Assistant Professor
Computer Science and Engineering
Texas A & M University
Tel: (979) 845-0537; Email: caverlee@cse.tamu.edu

Professional Preparation:

Ph.D. Computer Science, Georgia Institute of Technology, 2007
Dissertation: Tamper-Resilient Methods for Web-Based Open Systems
Advised by Ling Liu; Co-Advised by William B. Rouse (Industrial & Systems Engineering)
M.S. Computer Science, Stanford University, 2001
Engineering-Economic Systems and Operations Research, Stanford University, 2000 [Accepted to Ph.D. program]
Economics, Duke University, Graduated *magna cum laude*, 1996

Appointments:

Assistant Professor, Computer Science & Engineering, Texas A&M University, 2007–

Publications: (* indicates student under my supervision)

- *Z. Cheng, J. Caverlee, and K. Lee. You Are Where You Tweet: A Content-Based Approach to Geo-locating Twitter Users. ACM Conference on Information and Knowledge Management (CIKM), 2010.
- *K. Kamath and J. Caverlee. Identifying Hotspots on the Real-Time Web. ACM Conference on Information and Knowledge Management (CIKM), 2010.
- *C.-F. Hsu, *E. Khabiri, and J. Caverlee. Ranking Comments on the Social Web. IEEE International Conference on Social Computing (SocialCom). Vancouver, August 2009.
- *S. Kashoob, J. Caverlee, and Y. Ding. A Categorical Model for Discovering Latent Structure in Social Annotations. 3rd International Conference on Weblogs and Social Media (ICWSM), sponsored by AAAI. San Jose, May 2009.
- J. Caverlee and S. Webb. A Large-Scale Study of MySpace: Observations and Implications for Online Social Networks. 2nd International Conference on Weblogs and Social Media (ICWSM), 2008.

Other Significant Publications: (available at <http://faculty.cse.tamu.edu/caverlee>)

- *S. Kashoob, J. Caverlee, and *K. Kamath. Community-Based Ranking on the Social Web. ACM Hypertext, 2010.
- *K. Lee, J. Caverlee, and S. Webb. Uncovering Social Spammers: Social Honeypots + Machine Learning. ACM SIGIR, 2010.
- J. Caverlee, L. Liu, and S. Webb. The SocialTrust Framework for Trusted Social Information Management: Architecture and Algorithms. *Journal of Information Sciences*, Elsevier, Vol. 180, No. 1, January 2010, pp. 95–112

- J. Caverlee, L. Liu, and S. Webb. A Parameterized Approach to Spam-Resilient Link Analysis of the Web. *IEEE Transactions on Parallel and Distributed Systems (TPDS)*, Vol. 20, No. 10, October 2009.
- J. Caverlee, L. Liu, and J. Bae. Distributed Query-Sampling: A Quality Conscious Approach. *ACM SIGIR*, August 2006.

Synergistic Activities:

- Awarded DARPA Young Faculty Award (2010) and Google Research Award (2008, 2010) for research at the intersection of web-scale information management, distributed data-intensive systems, and social computing.
- Developed and taught a new graduate-level course on Internet-Scale Data Management at Texas A&M University (Fall 2007, 2010). Taught both the undergraduate and graduate courses on Information Storage & Retrieval (2008, 2009, 2010).
- Leading the Texas A&M infolab, an active research group with 6 Ph.D. students and 2 M.S. students on research projects related to social computing and Internet-scale data management. As part of this group, we have collected large datasets of over 100 million Web objects from the Web and online social networks like MySpace, Twitter, Delicious, and YouTube for use in our experiments and simulations.
- Reviewer for *ACM Transactions on Information Systems*, *IEEE Internet Computing*, *IEEE Transactions on Knowledge and Data Engineering*, *IEEE Transactions on Services Computing*, *International World Wide Web Conference (WWW)*.
- Program committee member for 2009 and 2008 International Workshop on Adversarial Information Retrieval (AIRWeb), 2009 ACM/IEEE Joint Conference on Digital Libraries (JCDL), 2009 and 2008 IEEE International Conference on Data Mining (ICDM), 2009 and 2008 Workshop on Information Credibility on the Web (WICOW), 2009 and 2008 International Conference on Collaborative Computing: Networking, Applications, and Worksharing (CollaborateCom)