

BAO Yang (Curriculum Vitae)

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EMPLOYMENT

Antai College of Economics and Management, Shanghai Jiao Tong University, China	
Assistant Professor, Department of Management Information System	August 2015 – Present
Nanyang Business School, Nanyang Technological University, Singapore	
Research Fellow, Division of Accounting	July 2014 – June 2015
Research Associate, Division of Accounting	October 2013 – June 2014

EDUCATION

Ph.D. in Information Systems, National University of Singapore	August 2009 – May 2014
Master of Management, Nanjing University, China	September 2007 – June 2009
Bachelor of Management, Nanjing University, China	September 2003 – June 2007

RESEARCH INTERESTS

I am interested in tackling today's complex business problems by leveraging multidisciplinary methodologies, especially econometrics, and computational methods originated in Artificial Intelligence. Below is a more detailed description of my current research interests:

- Business Analytics
 - Quantitative Text Analysis
 - Trust Modeling in E-Commerce
 - Personalized Product Recommendation
- Financial Reporting and Disclosure
 - Text Analysis of Financial Disclosures
 - Accounting Fraud Detection
 - Media Reporting and IPO Audit

PUBLICATIONS

Journal Publications

- Yang Bao, and Anindya Datta. "Simultaneously Discovering and Quantifying Risk Types from Textual Risk Disclosures". **Management Science**, 60 (6): 1371-1391, 2014.
- Sangaralingam Kajanan, Yang Bao, Anindya Datta, Debra VanderMeer, and Kaushik Dutta. "Efficient Automatic Search Query Formulation using Phrase-Level Analysis". **Journal of the American Society for Information Science and Technology** 65 (5): 1058-1075, 2014.
- Hui Fang, Jie Zhang, Yang Bao, and Qinghua Zhu. "Towards Effective Online Review Systems in the Chinese Context: A Cross-Cultural Empirical Study". **Electronic Commerce Research and Applications**, 12 (3): 208-220, 2013.

Working Paper

- “Detecting Accounting Frauds in Publicly Traded U.S. Firms: New Perspectives and New Methods”, with Bin Ke, Bin Li, Julia Yu, and Jie Zhang.
 - Presented at 2015 Singapore Tri-Uni Accounting Research Conference, Hong Kong University of Science and Technology
- “Inferring Trust among Peers in Online Opinion-Sharing Communities: A Hierarchical Bayesian Trust Model with Casual Interpretation”, with Hui Fang, and Jie Zhang.
 - Presented at 2013 International Joint Conference on Artificial Intelligence

Working in Progress

- “Fraud Detection in Publicly Traded Chinese Firms”, with Bin Ke, Julia Yu, and Jie Zhang.
- “Media Reporting and IPO Audit in China”, with Bin Ke, Jun Huang, Xianjie He.

Selected Conference Publications

- Yang Bao, Hui Fang, and Jie Zhang. “TopicMF: Simultaneously Exploiting Ratings and Reviews for Recommendation”. Proceedings of the 28th AAAI Conference on Artificial Intelligence (AAAI), Québec City, Québec, Canada, July 27-31, 2014. (CCF Rank A, acceptance ratio: 28%, 398/1406)
- Hui Fang, Yang Bao, and Jie Zhang. “Leveraging Decomposed Trust in Probabilistic Matrix Factorization for Effective Recommendation”. Proceedings of the 28th AAAI Conference on Artificial Intelligence (AAAI), Québec City, Québec, Canada, July 27-31, 2014. (CCF Rank A, acceptance ratio: 28%, 398/1406)
- Yang Bao, Nigel Collier, and Anindya Datta. “A Partially Supervised Cross-Collection Topic Model for Cross-Domain Text Classification”. Proceedings of 22nd ACM International Conference on Information and Knowledge Management (CIKM), Burlingame, CA, USA, October 27 - November 1, 2013. (CCF Rank B, acceptance ratio: 16.9%, 143/848)
- Hui Fang, Yang Bao, and Jie Zhang. “Misleading Opinions Provided by Advisors: Dishonesty or Subjectivity”. Proceedings of 23rd International Joint Conference on Artificial Intelligence (IJCAI), Beijing, China, August 3-9, 2013. (CCF Rank A, oral presentation, acceptance ratio: 13.2%, 195/1473)
- Yang Bao, and Anindya Datta. “Summarization of Corporate Risk Factor Disclosures through Topic Modeling”. Proceedings of 33rd International Conference on Information Systems (ICIS), Orlando, Florida, USA, December 16-19, 2012. (acceptance ratio: 28.92%)

WORKING EXPERIENCE

- Teaching Assistant, Department of Information Systems, National University of Singapore
 - IS4227: Enterprise Service-Oriented Architecture (Undergraduate), Spring 2011, Spring 2013
 - IS4102: E-Business Capstone Project (Undergraduate), Fall 2010, Fall 2011
- Guest Lecturer, Department of Information Systems, National University of Singapore
 - IS6103: Design Science Research in Information Systems (Doctoral), Spring 2013, Spring 2014
- Research Intern, National Institute of Informatics, Tokyo, Japan, March 2012 – July 2012

PROFESSIONAL SERVICE AND ACTIVITIES

- Reviewer for: *Management Information Systems Quarterly*, *ACM Transactions on Knowledge Discovery from Data*, *IEEE Transactions on Multimedia*, *Journal of the American Society for Information Science and Technology*, *Journal*

of Systems and Software, International Conference on Information Systems (2013, 2014, 2015), Pacific Asia Conference on Information Systems (2014), Americas Conference on Information Systems (2015), International World Wide Web Conference (2014, 2015), International Joint Conference on Natural Language Processing (2013), Workshop on Information Technologies and Systems (2011)

- Membership: *Association for Information Systems, Association for Computing Machinery*

HONORS AND AWARDS

- Best Paper Nominee, Workshop on Information Technologies and Systems, 2011
- Research mentioned by The Straits Times, “Here’s The Wikipedia of English”, October 11, 2009
- Research Scholarship, National University of Singapore, 2009 – 2013
- Outstanding Graduate Student, Nanjing University, 2007
- Outstanding Student, Department of Information Management, Nanjing University, 2006
- Renmin Scholarship, Nanjing University, 2003 – 2006

REFERENCES

- Professor **Bin KE**, Email: bizk@nus.edu.sg
Department of Accounting, Business School, National University of Singapore
- Professor **Hock-Hai TEO**, Email: teohh@comp.nus.edu.sg
Department of Information Systems, National University of Singapore
- Associate Professor **Anindya DATTA**, Email: datta@comp.nus.edu.sg
Department of Information Systems, National University of Singapore
- Associate Professor **Jie ZHANG**, Email: zhangj@ntu.edu.sg
School of Computer Engineering, Nanyang Technological University

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