

# Bo HAN

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EDUCATION	<b>The University of Melbourne</b> , Melbourne, Victoria, Australia <i>Doctor of Philosophy</i> <b>Dalian University of Technology</b> , Dalian, Liaoning, China <i>Master of Engineering</i> <i>Bachelor of Engineering</i>	<b>July 2010 – August 2014</b> <b>September 2007 – December 2009</b> <b>September 2003 – July 2007</b>
WORK EXPERIENCE	<b>IBM Research</b> , Melbourne, Victoria, Australia <i>Postdoctoral researcher</i> Responsible for developing and evaluating social media analytics, big data processing and analysis <b>The University of Melbourne</b> , Melbourne, Victoria, Australia <i>Teaching Assistant</i> COMP90049 Knowledge Technologies <i>Research Assistant</i> IBES project for “Early detection and mitigation of disastrous events with broadband-enabled social interaction technologies” <b>Microsoft Research Asia</b> , Beijing, China <i>Research Intern</i>	<b>April 2014– To date</b> <b>July 2013– October 2013</b> <b>July 2011 – January 2012</b> <b>September 2009– June 2010</b> <b>January 2007 – August 2007</b>
SKILLS	Fast prototyping and strong problem solving skills Big data processing and analysis (R, python, Unix/Linux shell scripting, computing clusters) Full stack programmer (from Javascript to MongoDB)	
RESEARCH	Natural Language Processing, Social Media Analytics in Real Time	
CODEBASE AND DEMOS	Twitter user geolocation prediction codebase: <a href="https://github.com/tq010or/acl2013">https://github.com/tq010or/acl2013</a> Locations Indicative Words per city: <a href="http://hum.csse.unimelb.edu.au:5000">http://hum.csse.unimelb.edu.au:5000</a> Twitter text normalisation lexicon: <a href="http://people.eng.unimelb.edu.au/tbaldwin/etc/emnlp2012-lexnorm.tgz">http://people.eng.unimelb.edu.au/tbaldwin/etc/emnlp2012-lexnorm.tgz</a>	
PROFESSIONAL ACTIVITIES	Reviewers: ACL 2014, 2015; EMNLP 2013, 2014, 2015, Natural Language Engineering Presentations and Invited Talks: 04/08/2015: Introduction to Geotagging, IBM CRL, China. 03/08/2015: Introduction to Geotagging, Tianjin University, China. 31/07/2015: Shared Task of English Lexical Normalisation, Beijing, China. 30/07/2015: Investigating Public Health Surveillance using Twitter, Beijing, China. 12/11/2014: Social media text processing, RMIT, Australia. 13/08/2013, Improving the Utility of NLP on Social Media, DFKI/COLI, Saarbrücken, Germany. 05/08/2013, A Stacking-based Approach to Twitter User Geolocation Prediction, Sofia, Bulgaria. 01/08/2013, Improving the Utility of NLP on Social Media, TU-Darmstadt, Germany. 28/08/2012, Event Detection over Social Media, Kyoto University, Japan. 12/07/2012, Automatically Constructing a Normalisation Dictionary for Microblogs, Jeju, Korea. 21/07/2011, Lexical Normalisation for Twitter Messages, Portland, USA.	

Co-organiser for an ACL 2015 workshop on Noisy User-generated Text (W-NUT)  
Co-organiser for English Lexical Normalisation Shared Task

PATENT

US Patent: Dynamic modelling of geospatial words in social media (filed)

PUBLICATIONS

Baldwin, Timothy, Marie-Catherine de Marneffe, Bo Han, Young-Bum Kim, Alan Ritter and Wei Xu, “Shared Tasks of the 2015 Workshop on Noisy User-generated Text: Twitter Lexical Normalization and Named Entity Recognition”, in *Proceedings of the ACL 2015 Workshop on Noisy User-generated Text (W-NUT)*, pp. 126–135, Beijing, China, 2015.

Bo Han, Antonio Jimeno Yepes, Andrew MacKinlay, Qiang Chen, “Identifying Twitter Location Mentions”, in *ALTA 2014*, shared task session, pp. 157–162, Melbourne, Australia.

Paul Cook, Bo Han and Timothy Baldwin, “Statistical Methods for Identifying Local Dialectal Terms from Corpora of GPS-tagged Documents”, In *Dictionaries*, 35, pp. 248–271, 2014.

Bo Han, Paul Cook and Timothy Baldwin, “Text-based Twitter User Geolocation Prediction”, In *Journal of Artificial Intelligence Research*, 49, pp. 451–500, 2014.

Bo Han, Paul Cook and Timothy Baldwin, “A Stacking-based Approach to Twitter User Geolocation Prediction”, In *ACL 2013*, Demo Session, pp. 7–12, Sofia, Bulgaria, 2013.

Bo Han, Paul Cook and Timothy Baldwin, “Lexical Normalisation of Short Text Messages”, In *ACM Transactions on Intelligent Systems and Technology* 4(1), pp. 5:1–5:27, 2013.

Yang Liao, Masud Moshtaghi, Bo Han, Shanika Karunasekera, Ramamohanarao Kotagiri, Timothy Baldwin, Aaron Harwood and Philippa Pattison, “Mining Micro-Blogs: Opportunities and Challenges”, In *Social Networks: Computational Aspects and Mining*, Ajith Abraham and Aboul Ella Hassanien (eds.), Springer: London, UK, pp. 129–159.

Bo Han, Paul Cook and Timothy Baldwin, “Automatically Constructing a Normalisation Dictionary for Microblogs”, In *Proceedings of EMNLP-CoNLL 2012*, 421–432, Jeju, Republic of Korea, 2012.

Timothy Baldwin, Paul Cook, Bo Han, Aaron Harwood, Shanika Karunasekera and Masud Moshtaghi, “A Support Platform for Event Detection using Social Intelligence”, In *EACL 2012*, Demo Session, 69–72, Avignon, France, 2012.

Bo Han, Marco Lui and Timothy Baldwin, “Melbourne Language Group Microblog Track Report”, In *TREC 2011*, NIST Special Publication: SP 500–295.

Bo Han and Timothy Baldwin, “Lexical normalisation of short text messages: Makn sens a #twitter”, In *ACL 2011*, 368–378, Portland, OR, USA, 2011.

Xiaohua Liu, Bo Han, and Ming Zhou, “Correcting verb selection errors for ESL with the perceptron”, In *CICLing 2011*, 411–423, Tokyo, Japan, 2011.

Xiaohua Liu, Bo Han, Kuan Li, Stephan Hyeonjun Stiller, and Ming Zhou, “SRL-based verb selection for ESL”, In *EMNLP 2010*, 1068–1076, Cambridge, MA, USA, 2010.

Xiaohua Liu, Kuan Li, Bo Han, Ming Zhou, Long Jiang, Zhongyang Xiong, and Changning Huang, “Semantic role labeling for news tweets”, In *Coling 2010*, 698–706, Beijing, China, 2010.

Xiaohua Liu, Kuan Li, Bo Han, Ming Zhou, Long Jiang, Daniel Tse, Zhongyang Xiong, “Collective Semantic Role Labeling on Open News Corpus by Leveraging Redundancy”, In *Coling 2010*, 725–729, Beijing, China, 2010.

Xianchao Zhang, Bo Han, and Wenxin Liang, “Automatic seed set expansion for trust propagation based anti-spamming algorithms”, In *WIDM 2009*, 31–38, Hongkong, China, 2009.

REFEREES

**Timothy Baldwin**

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Melbourne University  
Melbourne, Victoria, Australia  
e-mail: *available on request*

**Paul Cook**

PhD, Assistant Professor  
University of New Brunswick  
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**Xiaohua LIU**

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