

Bo HAN

CONTACT

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WORK

RedMarker, Sydney, Australia

EXPERIENCE

Senior Data Scientist

May 2017– Present

My responsibility includes diagnosing and optimising existing Artemis system for more effective and efficient compliance checking to meet regulations in many vertical domains.

Hugo AI, Sydney, Australia

Senior Data Scientist/NLP Engineer

March 2016– March 2017

I am leading design and development work for automatic summarisation which has become a key component in [production](#). The work features data crawling, cleaning, reconciliation and natural language generation from various social media sources.

IBM Research Australia, Melbourne, Australia

Research Scientist

April 2014– March 2016

I am responsible for developing and evaluating text analytics, including a text-based [geotagger](#), [Social Media Analytics in Real Time](#) and a biomedical [named entity recogniser](#). The deliverables have been successfully applied in many internal research prototypes and client projects.

The University of Melbourne, Melbourne, Australia

Teaching Assistant for COMP90049 Knowledge Technologies

July 2013– October 2013

Research Assistant

July 2011 – January 2012

I am a contributor for an [IBES](#) project: “Early detection and mitigation of disastrous events with broadband-enabled social interaction technologies”.

Microsoft Research Asia, Beijing, China

Full-time Research Intern

September 2009– June 2010

I helped to build an English writing assistant prototype which has been shipped as the dictionary tab in [Bing Search](#) in China. My responsibility includes bilingual text mining, short sentence categorisation, incremental bilingual text crawling.

Full-time Research Intern

January 2007 – August 2007

I helped to improve web corpus quality for various research projects and built a internal question and answer community.

EDUCATION

The University of Melbourne, Melbourne, Australia

Doctor of Philosophy

July 2010 – August 2014

Dalian University of Technology, Dalian, China

Bachelor and Master of Engineering

September 2003 – December 2009

PROFESSIONAL SKILLS

I have strong backgrounds in Natural Language Processing and Social Media Analytics. My computational thinking and fast prototyping help to achieve business success and my experience in start-ups and industry giants qualify me from a full stack architect to a project leader in text analytics.

- Frontend: HTML and Javascript including JQuery
- Programming Languages: Proficient in Python, bash scripts and GNU utilities
- Modelling: scikit-learn, R (RStudio), NLP suites (e.g., nltk, TextBlob, Pattern, spaCy)
- Backend: popular SQL and non-SQL databases e.g., MySQL, Postgres, MongoDB
- Infrastructure and services: DevOps (Git and Jenkins), AWS, computing clusters (PBS system)

PROFESSIONAL
ACTIVITIES

I am actively involved in professional activities including giving invited talks in universities and industrial institutions; being reviewers in top-tier conferences (e.g., ACL, EMNLP, NAACL, COLING); co-organising two international workshops on social media analytics ([W-NUT](#)).

I take a balanced view on intellectual assets, thus I sometimes open sourced my projects on [GitHub](#) and also filed two patents in USA.