Bo HAN

CONTACT   http://tq010or.github.io/   TQ010OR@gmail.com

WORK EXPERIENCE

Hugo AI, Sydney, Australia

Senior Data Scientist/NLP Engineer   **March 2016– Present**

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 median 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 projects and client cases.

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 research and prototype of 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 the prototype of a English writing assistant. The prototype has been shipped as a 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 background 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), nltk, 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; co-organising two international workshops on social media analytics (W-NUT).
I take a balanced view on intellectual property assets, thus I sometimes open sourced my projects on GitHub and also filed two patents in USA.