

# Zhuang Li

Suzhou, China  
lizhuang144@gmail.com

**Education**      **The Australian National University**      Canberra, Australia  
*Master of Computing (Advanced), Artificial Intelligence*      02/2014 – 12/2015  
GPA: 6.125/7.0      Rank: top 10%  
Master's Thesis: Representation Learning for Weakly Supervised Relation Extraction

**Wuhan University of Science and Technology**      Wuhan, China  
*Bachelor of Engineering, Electrical Engineering*      09/2009 – 06/2013  
GPA: 80.02/100      Rank: 44/165

**Experience**      **Microsoft Search Technology Center Asia (STCA)**      Suzhou, China  
*Software Development Engineer*      06/2017 – current

- Working on language understanding problems, such as semantic parsing and slot tagging, in Cortana question answering system and Bing search engine.

**Hong Kong Applied Science & Technology Research Institute (ASTRI)**  
*Engineer (Cloud Computing)*      09/2016 – 06/2017

- Conducted research on time series prediction with machine learning approaches.
- Developed machine learning algorithms for the trading strategy generation and portfolio management.

**Wuhan University**      Wuhan, China  
*Visiting Student*      07/2016 – 08/2016

- Worked on improving the Twitter semantic similarity system using the neural probabilistic language model and unsupervised representation learning approaches.

**National ICT Australia Ltd (NICTA)**      Canberra, Australia  
*Visiting Student*      03/2015 – 06/2016

- Conducted master's thesis research.
- Helped develop NICTA's private deep learning toolkit DL-IE, which includes common deep learning algorithms for natural language processing tasks.
- Worked on improving the performance of relation extraction systems using various deep neural relation extraction models and unsupervised representation learning approaches.
- Resulted in one article published in The Australasian Language Technology Association.

**Publications**      Li, Z., Qu, L., Xu, Q., & Johnson, M. (December 5<sup>th</sup>, 2016). Unsupervised Pre-training with Sequence Reconstruction Loss for Deep Relation Extraction Models. *The Australasian Language Technology Association*.

Liu, H., Chen, K., & Li, Z., etc. (April 24<sup>th</sup>, 2013). Design and Implementation of Information Processing System based on STM Single Chip Microprocessor. *Information Technology*.

Huang, Q., Liu, B., Li, Z. (December 25<sup>th</sup>, 2012). Multi-focus Image Fusion Method based on Three Channels Non-separable Symmetrical Wavelets. *Journal of Hubei University*.

**Programming Languages**

***Skills***

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Java	Machine Learning Application Development
Python	Natural Language Processing Application Development
C/C++	Relational and NoSQL Database
Scala	Concurrent and Distributed Computing
Latex	Web Development
Html	Algorithm and Data Structure

**Awards**      IEEE Xtreme Programming Competition 8.0      The Australian National University  
Team Rank: Australia – 2<sup>nd</sup>, World – Top 100      10/2014

**Languages**      English (Advanced)  
Mandarin (Native Speaker)

**Github Link**      <https://github.com/deathlee>