

# 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 machine learning approaches for the time series prediction.
- Designed and implemented 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 Workshop of 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. *Workshop of 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*.

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## **Programming Languages**

Java  
Python  
C/C++  
Scala  
Latex  
Html

## ***Skills***

Machine Learning Application Development  
Natural Language Processing Application Development  
Relational and NoSQL Database  
Concurrent and Distributed Computing  
Web Development  
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/zhuang-li>