Suzhou, China
lizhuang144@gmail.com

# Zhuang Li

| | | |
|---|---|---|
| **Education** | **The Australian National University** | Canberra, Australia |

**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
- Developed a semantic parsing-based factoid question answering system.
- Built a probabilistic taxonomy for the text understanding.
- Maintaining the language understanding components, including the domain and intent classification models and the slot tagging models, in Cortana question answering system and Bing search engine.
- Working on the new Cortana chat-bot framework design and implementation.

**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 5th, 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 24th, 2013). Design and Implementation of Information Processing System based on STM Single Chip Microprocessor. *Information Technology*.

# Zhuang Li

Suzhou, China
lizhuang144@gmail.com

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

| **Programming** *Languages* | *Skills* |
|---|---|
| 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 – 2nd, World – Top 100                                      10/2014

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

**Github Link**  https://github.com/zhuang-li