Zhuang Li

Melbourne, Australia
Zhuang.Li@monash.edu.au

Education

Monash University — Melbourne, Australia
Doctor of Philosophy, Artificial Intelligence — 08/2019 – current
Research Topic: Semantic Parsing for Dialogue
Supervisors: Dr. Lizhen Qu, A/Prof. Gholamreza Haffari, Dr. Philip Cohen

University of Sydney (transfer) — Sydney, Australia
Doctor of Philosophy, Artificial Intelligence — 02/2019 – 07/2019
Research Topic: Semantic Parsing for Dialogue
Supervisor: Prof. Dacheng Tao

The Australian National University — Canberra, Australia
Master of Computing (Advanced), Artificial Intelligence — 02/2014 – 12/2015
Master's Thesis: Representation Learning for Weakly Supervised Relation Extraction
Supervisor: Dr. Lizhen Qu

Wuhan University of Science and Technology — Wuhan, China
Bachelor of Engineering, Electronic Information Engineering — 09/2009 – 06/2013

Experience

Adobe Research — San Jose, U.S.
Virtual Research Intern — 09/2021 – current
Supervisor: Dr. Quan Hung Tran
- Multimodal scene graph parsing.

Openstream.ai — Seattle, U.S.
Virtual Research Intern — 06/2021 – 09/2021
Supervisor: Dr. Philip Cohen
- Automatic data curation for semantic parsing
- Multi-task semantic parsing.

Microsoft Search Technology Center Asia (STCA) — Suzhou, China
Software Development Engineer — 06/2017 – 12/2018
STCA NLP group, Supervisors: Dr. Yang Yang, Dr. Daxin Jiang
- Development of the semantic parsing-based factoid question answering system.
- Maintenance of 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.
- Design and implementation of Cortana chat-bot framework.

Hong Kong Applied Science & Technology Research Institute (ASTRI)
Engineer (Cloud Computing) — 09/2016 – 06/2017
- Research on time series prediction.
- Implementation of machine learning algorithms for the trading strategy generation and portfolio management.

National ICT Australia Ltd (NICTA) — Canberra, Australia
Visiting Student — 03/2015 – 06/2016
Supervisor: Dr. Lizhen Qu
- Master thesis research.
- Development of the deep learning toolkit.
- Unsupervised learning and neural relation extraction models.

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Publications Li, Z., Qu, L., & Haffari, G. Total Recall: a Customized Continual Learning Method for Neural Semantic Parsers. *The 2021 Conference on Empirical Methods in Natural Language Processing*

Li, Z., Qu, L., Huang, S., & Haffari, G. Few-shot Learning for Semantic Parsing. *16th conference of the European Chapter of the Association for Computational Linguistics*

Huang, S., Li, Z., Qu, L. On the Robustness to Semantic Parsing. *16th conference of the European Chapter of the Association for Computational Linguistics*

Li, Z., Qu, L., & Haffari, G. (December 8th, 2020). Context Dependent Semantic Parsing: A Survey. *The 28th International Conference on Computational Linguistics*

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*.

Programming *Languages*   *Skills*
  Python   Machine Learning Application Development
  Java   Natural Language Processing Application Development
  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