

Qianqian Xie

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<https://xashely.github.io>

EDUCATION

Wuhan University, Wuhan, Hubei, China

- Ph.D. in Computer Software and Theory Sep 2014 – Jul 2019 (expected)

Jiangxi Normal University, Nanchang, Jiangxi, China

- B.S. in Computer Science and Technology Sep 2010 – Jul 2014

RESEARCH INTERESTS

- Machine Learning for Natural Language Processing
- Semi-supervised Learning with Deep Generative Models

RESEARCH EXPERIENCE

Computer School, Wuhan University

- Multi-turn Task-oriented Dialogue System Mar 2018 – Present
 - Cooperate with Xiaomi Corporation
 - Designed a multi-turn task-oriented framework for Xiao AI voice assistant
- Research on Key Technologies of Question Answering Based on Unsupervised Knowledge Extraction and Multi-Relation Representation Learning 2018 – Present
 - Supported by Natural Science Foundation of China
 - Focusing on semi-supervised learning with deep generative models
- Topic Evolution Analysis and Propagation Tendencies Prediction in Social Media 2015 – 2018
 - Supported by Natural Science Foundation of China
 - Focusing on sparse topic modelling on social media contents

OTHER EXPERIENCE

Teaching Assistant, Computer School, Wuhan University Sep 2015 – Dec 2015

Visiting Student, Centre for Applied Informatics, Victoria University Jun 2018 – Jul 2018

Visiting Student, School of Software, University of Technology Sydney Jul 2018 – Aug 2018

PUBLICATIONS

- [1] **Xie Q**, Peng M, Huang J, et al. Cluster-aware Manifold Regularization for Semi-supervised Learning with Triple Generative Adversarial Nets. In Prepare.
- [2] **Xie Q**, Peng M, Huang J, et al. Deep Generative Models for semi-supervised learning with Manifold Regularization. Under Review.
- [3] **Xie Q**, Peng M, Huang J, et al. Neural Variational Sparse Topical Coding. Under Review.
- [4] Peng M (supervisor), **Xie Q**, Zhang Y, et al. Neural Sparse Topical Coding. *Proceedings of the 56th Annual Meeting of the Association for Computational Linguistics (ACL Volume 1: Long Papers)*. 2018 (Vol. 1, pp. 2332-2340).
- [5] Peng M (supervisor), **Xie Q**, Wang H, et al. Bayesian Sparse Topical Coding. *IEEE Transactions on Knowledge and Data Engineering (TKDE)*. 2018 Jun 15.

- [6] Peng M (supervisor), **Xie Q**, Huang J, et al. Sparse Topical Coding with Sparse Groups. *International Conference on Web-Age Information Management (WAIM)*. 2016 Jun 3 (pp. 415-426). Springer, Cham.
- [7] Wang Gao, Min Peng, **Xie Q**, et al. Incorporating Word Embeddings into Topic Modeling of Short Texts. *Knowledge and Information Systems (KAIS)*. 2018 Accepted.
- [8] Peng M, Cheng D, **Xie Q**, et al. Topic-Net conversation model. *International Conference on Web Information Systems Engineering (WISE)*. 2018 Accepted.
- [9] Peng M, Yao Y, **Xie Q**, et al. Knowledge representation learning for joint structural and textual embedding via Attention-based CNN. *The Seventeenth China National Conference on Computational Linguistics (CCL)*. 2018 Accepted.
- [10] Peng M, Shi H, **Xie Q**, et al. Block Bayesian Sparse Topical Coding. *International Conference on Computer Supported Cooperative Work in Design (CSCWD)*. 2018 Accepted.

AWARDS	<ul style="list-style-type: none"> ▪ Graduate Academic Scholarship (Top 10%), Wuhan University ▪ National Encouragement Scholarship, Ministry of Education of PRC 	<p>Sep 2018</p> <p>Dec 2013</p>
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PROFESSIONAL SERVICE **Reviewer:** WISE2018, WWWJ, JASIST, Chinese Journal of Computers

COMPUTER SKILLS Python, MATLAB, R, C