

Qi Liu

CONTACT INFORMATION	770 Broad Way, New York City Facebook AI Research Github: https://github.com/leuchine Homepage: https://leuchine.github.io/	+1 (650)521-4073 qiliu@fb.com
EDUCATION	National University of Singapore , Singapore Master of Science, Computer Science, 2014 - 2016 <ul style="list-style-type: none">• Thesis: <i>Automatic Annotation Management Through Document Enrichment and Transfer</i>• GPA: 4.07/5 Shandong University , China Bachelor of Engineering, Computer Engineering, 2010 - 2014 <ul style="list-style-type: none">• Thesis: <i>Big Data Parallelization Techniques and Applications</i>• GPA: 84.7/100	
RESEARCH EXPERIENCE	AI Resident , Facebook AI Research, NYC Advisor: Douwe Kiela Research Intern , Microsoft Research, Cambridge Advisor: Alexander Gaunt, Marc Brockschmidt, Miltos Allamanis Research Assistant , Temasek Lab, SUTD, Singapore Advisor: Yue Zhang Research Intern , Microsoft Research, Beijing Advisor: Ying Yan, Thomas Moscibroda Data Scientist , Holmusk, Singapore Teaching Assistant , National University of Singapore Advisor: Tan Chew Lim, Tan Kian Lee Research Assistant , SeSaMe Research Centre, NUS Advisor: Anthony Tung Research Intern , Chinese Academy of Sciences, China	2018.08 - 2019.08 2018.03 - 2018.06 2017.02 - 2018.03 2016.09 - 2016.12 2015.04 - 2015.10 2015.08 - 2016.03 2014.12 - 2016.05 2013.07 - 2013.10
PUBLICATIONS	<ol style="list-style-type: none">1. Qi Liu, Miltiadis Allamanis, Marc Brockschmidt, Alexander L. Gaunt. "Constrained Graph Variational Autoencoders for Molecule Design". <i>Neural Information Processing Systems (NIPS)</i>, 2018, pp. 1–12.2. Shuang Wu, Zhenguang Liu, Qi Liu, Li Cheng. "Towards Natural and Accurate Future Pose Prediction for Human and Animals". <i>Workshop on Perception, Learning, and Control at NIPS</i>, 2018, pp. 1–4.3. Yue Zhang, Qi Liu, Linfeng Song. "Sentence-State LSTM for Text Representation". <i>Annual Meeting of the Association for Computational Linguistics (ACL)</i>, 2018, pp. 1–10.4. Qi Liu, Yue Zhang. "Mining Evidences for Concept Stock Recommendation". <i>The North American Chapter of the Association for Computational Linguistics (NAACL)</i>, 2018, pp. 1–10.5. Qi Liu, Yue Zhang, Jiangming Liu. "Learning Domain-specific Representations for Multi-Domain Sentiment Classification". <i>The North American Chapter of the Association for Computational Linguistics (NAACL)</i>, 2018, pp. 1–10.	

6. **Qi Liu**, Yue Zhang, Zhengguang Liu, Ye Yuan, Li Cheng, Roger Zimmermann. “Multi-modal Multi-task Learning for Automatic Dietary Assessment”. *Association for the Advancement of Artificial Intelligence (AAAI)*, 2018, pp. 1–8.
7. Yixuan Tang, Weilong Huang, **Qi Liu**, Anthony K.H. Tung, Xiaoli Wang, Jisong Yang and Beibei Zhang. “QALink: Enrich Text Documents with Relevant Q&A Site Contents”. *ACM International Conference on Information and Knowledge Management (CIKM)*, 2017, pp. 1–10.
8. Yang Li, Kai Zheng, Ying Yan, **Qi Liu**, Xiaofang Zhou. “EtherQL: A Query Layer for Blockchain”. *International Conference on Database Systems for Advanced Applications (DASFAA)*, 2017, pp. 556–567.
9. Zhengguang Liu, Yingjie Xia, **Qi Liu**, Qinning He, Yanxiang Chen, Roger Zimmermann. “Towards Personalized Activity Level Prediction in Community Question Answering Websites”. *ACM Transactions on Multimedia Computing, Communications and Applications (TOMM)*, 2017, pp. 1–15
10. Butian Huang, Zhengguang Liu, Jianhai Chen, Anan Liu, **Qi Liu**, Qinning He. “Behavior Pattern Clustering in Blockchain Networks”. *Multimedia Tools and Applications (MTAP)*, 2017, pp. 1-12 ([in the news](#))
11. Zhengguang Liu, Luming Zhang, **Qi Liu**, Yifang Yin, Li Cheng, Roger Zimmermann. “Fusion of Magnetic and Visual Sensors for Indoor Localization: Infrastructure-free and More Effective”. *IEEE Transactions on Multimedia (TMM)*, 2016, pp. 874–888.
12. Shubham Goyal, **Qi Liu**, Khairina Tajul-Arifin, Waqas Awan, Bimlesh Wadhwa, Zhengguang Liu. “I Ate This: A Photo-based Food Journaling System with Expert Feedback”. *Workshop on Healthcare at SIGCHI*, 2016, pp. 1-4
13. Qiang Hu*, **Qi Liu***, Xiaoli Wang*, Anthony K.H. Tung, Shubham Goyal, Jisong Yang. “DocRicher: An Automatic Annotation System for Text Documents Using Social Media”. *ACM Special Interest Group on Management of Data (SIGMOD)*, 2015, pp. 901-906 (* equal contribution)

PAPERS IN PREPARATION

1. **Qi Liu**, Ying Yan, Yang Chen, Thomas Moscibroda. “ConsortiumDB: A Consortium Cloud Database with Smart Contract”. Submitted to VLDB 2019.
2. Zhengguang Liu, **Qi Liu**, Li Cheng. “Towards Natural and Accurate Future Pose Prediction for Humans and Animals”. Submitted to AAAI 2019.

PATENT

1. **Qi Liu**, Yang Chen, Ying Yan, Thomas Moscibroda. “A Programmable SmartContract Defined Database.” (US patent, filed date 17/03/2017, Part of the project [Microsoft Coco](#))

AWARD

Lee Kuan Yew Global Business Plan Competition Winner (3 out of 550)	2017
Microsoft Star of Tomorrow Excellence Award	2016
ACM SIGMOD Travel Grant	2015
Winner, Predict Exacerbation in Patients with COPD, CrowdANALYTIX	2015
Winner, Changing the Landscape of Healthcare in US, CrowdANALYTIX	2015
NUS Research Scholarship	2014 - 2016

SERVICE	Secondary Reviewer , NAACL, 2018 Secondary Reviewer , AAAI, 2018 Reviewer , Neurocomputing, 2017 Reviewer , Multimedia Tools and Applications, 2016
TEACHING	CS5344 Big Data Analytics Technology, 2015/2016 semester 2 CS3244 Machine Learning, 2015/2016 semester 1
SKILLS	English: Toefl: 104 (R29, L27, S22, W26), GRE: 329 (V159, Q170, AW3.5) Programming: Python, Java, C/C++, Javascript Toolkits: Pytorch, Tensorflow, Hadoop, Spark, Git, MongoDB, MySQL, L ^A T _E X