

Qing Lyu

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RESEARCH INTERESTS

Natural Language Processing, Computational Linguistics,
Interpretability, Robustness, Probing Language Models

EDUCATION

University of Pennsylvania, Philadelphia, USA

Aug 2019 – Present

Ph.D. Computer and Information Science

GPA: 4.00/4.00

Advisor: Chris Callison-Burch and Marianna Apidianaki

Tsinghua University, Beijing, China

Sept 2015 – Jul 2019

B.A. English Language and Literature (Linguistics track)

GPA: 3.88/4.00

Advisor: Xiaojing Bai

PUBLICATIONS AND MANUSCRIPTS

[9] **Q. Lyu**, H. Zheng, D. Li, L. Zhang, M. Apidianaki, C. Callison-Burch. *Is "My Favorite New Movie" My Favorite Movie? Probing the Understanding of Recursive Noun Phrases*.
In **NAACL 2022**.

[8] X. Du, Z. Zhang, S. Li, P. Yu, H. Wang, T. Lai, X. Lin, Z. Wang, I. Liu, B. Zhou, H. Wen, M. Li, D. Hannan, J. Lei, H. Kim, R. Dror, H. Wang, M. Regan, Q. Zeng, **Q. Lyu**, C. Yu, C. Edwards, X. Jin, Y. Jiao, G. Kazeminejad, Z. Wang, C. Callison-Burch, M. Bansal, C. Vondrick, J. Han, D. Roth, S. Chang, M. Palmer, H. Ji. *RESIN-11: Schema-guided Event Prediction for 11 Newsworthy Scenarios*.
In **NAACL 2022** (demo track).

[7] S. Zhou*, L. Zhang*, Y. Yang, **Q. Lyu**, G. Neubig, C. Callison-Burch. *Show Me More Details: Discovering Event Hierarchies from WikiHow*. (*Equal contribution)
In **ACL 2022**.

[6] Y. Yang, A. Panagopoulou, **Q. Lyu**, L. Zhang, M. Yatskar, C. Callison-Burch. *Visual Goal-Step Inference using wikiHow*.
In **EMNLP 2021**.

[5] **Q. Lyu**, H. Zhang, E. Sulem, D. Roth. *Zero-shot Event Extraction via Transfer Learning: Challenges and Insights*.
In **ACL 2021**.

[4] **Q. Lyu***, L. Zhang*, C. Callison-Burch. *Goal-Oriented Script Construction*. (*Equal contribution)
In **INLG 2021**.

[3] H. Wen, Y. Lin, T. Lai, X. Pan, S. Li, X. Lin, B. Zhou, M. Li, H. Wang, H. Zhang, X. Yu, A. Dong, Z. Wang, Y. Fung, P. Mishra, **Q. Lyu**, D. Surís, B. Chen, Susan W. Brown, M. Palmer, C. Callison-Burch, C. Vondrick, J. Han, D. Roth, S-F. Chang, H. Ji. *RESIN: A Dockerized Schema-Guided Cross-document Cross-lingual Cross-media Information Extraction and Event Tracking System*.
In **NAACL 2021** (demo track).

[2] L. Zhang, **Q. Lyu**, C. Callison-Burch. *Intent Detection with WikiHow*.
In **AAACL-IJCNLP 2020**.

[1] L. Zhang*, **Q. Lyu***, C. Callison-Burch. *Reasoning about Goals, Steps, and Temporal Ordering with WikiHow*. (*Equal contribution)
In **EMNLP 2020**; Spotlight presentation at the Workshop on Enormous Language Models at ICLR 2021.

SERVICES AND ACTIVITIES	• Program Committee member of the 9 th Mid-Atlantic Student Colloquium on Speech, Language and Learning (MASC-SLL)	2022
	• Panelist at WiCS x FemmeHacks CIS PhD Panel	2022
	• Reviewer for ACL Rolling Review (ARR)	2022 –
	• Reviewer for the Beyond the Imitation Game Benchmark (BIG-BENCH), initiated by Google Research	2021
	• Co-organizer of CLUNCH, Penn’s NLP seminar series	2020
TEACHING EXPERIENCE	• Teaching Assistant — Computational Linguistics CIS 530: graduate level	Fall 2021 University of Pennsylvania
	• Teaching Assistant — Applied Machine Learning CIS 419/519: undergraduate/graduate level	Fall 2019 University of Pennsylvania
	• Teaching Assistant — Computational Linguistics undergraduate level	Fall 2018 Tsinghua University
INDUSTRY EXPERIENCE	Research Intern <i>Tencent, AI Lab</i>	May 2022 – Aug 2022 Seattle, USA
	• Project: interpreting generation models.	
	Algorithm Intern <i>Tomorrow Advancing Life (TAL) Education Group, AI Lab</i>	Sept 2018 – Oct 2018 Beijing, China
	• Developed a model to predict the dropout rate of individual students in online courses, based on Linear Dynamical Systems (LDS).	
	• Our model improved the dropout prediction F1 score by 20% over the existing system, and was officially launched as part of the online teaching platform.	
HONORS	Excellent Graduation Thesis Award, Tsinghua University	2019
	National Scholarship, Chinese Ministries of Education and Finance	2018
	3rd Place at “Sentiment analysis of Chinese Metaphor”, Shared Task at the 17th China National Conference on Computational Linguistics (CCL 2018)	2018
	Jiang Nanxiang Scholarship, Tsinghua University	2017
	Merit-based Scholarship of all school years, Tsinghua University	2015 – 2019
	First Prize (Individual Contest), National Linguistics Olympiad (NOL)	2014
SKILLS	Programming Skills Python, PyTorch, C/C++, SQL, MATLAB	
	Language Skills Chinese (native), English (proficient), French (conversational)	
TEST SCORES	GRE (2018): Verbal 168, Quantitative 170, Analytical Writing 4.0	
	TOEFL (2018): Reading 30, Listening 30, Speaking 29, Writing 30	