

Qing Lyu

PHD STUDENT · COMPUTER AND INFORMATION SCIENCE

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Education

University of Pennsylvania

Philadelphia, USA

PH.D. IN COMPUTER AND INFORMATION SCIENCE

2019 - present

- GPA: 4.0/4.0
- Advisor: Dr. Chris Callison-Burch

Tsinghua University

Beijing, China

B.A. IN ENGLISH LANGUAGE AND LITERATURE, LINGUISTICS TRACK

2015 - 2019

- GPA: 3.88/4.0
- Thesis Topic: Cross-language Plagiarism Detection (Excellent Graduation Thesis Award)
- Advisor: Dr. Xiaojing Bai

Publications

Yue Yang, Artemis Panagopoulou, **Qing Lyu**, Li Zhang, Mark Yatskar and Chris Callison-Burch. **Visual Goal-Step Inference using wikiHow**. To appear in *EMNLP 2021*.

Qing Lyu*, Li Zhang*, Chris Callison-Burch. **Goal-oriented script construction**. To appear in *INLG 2021*. (*Equal contribution.)

Qing Lyu, Hongming Zhang, Elior Sulem, Dan Roth. 2021. **Zero-shot event extraction via transfer learning: Challenges and insights**. *ACL 2021*.

Haoyang Wen, Ying Lin, Tuan Lai, Xiaoman Pan, Sha Li, Xudong Lin, Ben Zhou, Manling Li, Haoyu Wang, Hongming Zhang, Xiaodong Yu, Alexander Dong, Zhenhailong Wang, Yi Fung, Piyush Mishra, **Qing Lyu**, Dídac Surís, Brian Chen, Susan Windisch Brown, Martha Palmer, Chris Callison-Burch, Carl Vondrick, Jiawei Han, Dan Roth, Shih-Fu Chang, Heng Ji. **RESIN: A Dockerized Schema-Guided Cross-document Cross-lingual Cross-media Information Extraction and Event Tracking System**. *NAACL 2021* demo track.

Li Zhang, **Qing Lyu**, Chris Callison-Burch. **Intent Detection with WikiHow**. *AACL 2020*.

Li Zhang*, **Qing Lyu***, Chris Callison-Burch. **Reasoning about goals, steps, and temporal ordering with wikihow**. *EMNLP 2020*. (*Equal contribution.)

Research Experience

University of Pennsylvania

Philadelphia, USA

ADVISOR: PROF. CHRIS CALLISON-BURCH

Feb. 2021 - Present

- Project: Probing Language Models for the Understanding of Recursion

University of Pennsylvania

Philadelphia, USA

ADVISOR: PROF. CHRIS CALLISON-BURCH

Dec. 2019 - Present

- Project: Script Learning with WikiHow

University of Pennsylvania

Philadelphia, USA

ADVISOR: PROF. DAN ROTH

Sep. 2019 - Feb. 2020

- Project: Zero-shot Event Extraction via Transfer Learning

Tsinghua University

Beijing, China

ADVISOR: PROF. XIAOJING BAI

Dec. 2018 - Jun. 2019

- Project: Cross-language Plagiarism Detection

Tsinghua University

ADVISOR: PROF. XIAOJING BAI

- Project: Sentiment analysis of Chinese Metaphor – Shared Task at the 17th China National Conference on Computational Linguistics

Beijing, China

Jun. 2018 - Dec. 2018

Tsinghua University

ADVISOR: PROF. XIAOYAN ZHU

- Project: Recognizing Temporal Expressions for Task-Oriented Dialog Systems

Beijing, China

Jun. 2017 - Jul. 2017

Tsinghua University

ADVISOR: PROF. XIAOLU YANG

- Project: Temporal Reference of Early Mandarin-speaking Children

Beijing, China

Dec. 2016 - Mar. 2017

Honors

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| 2019 | Excellent Graduation Thesis Award , Tsinghua University |
| 2018 | 3rd Place at “Sentiment analysis of Chinese Metaphor” , Shared Task at the 17th China National Conference on Computational Linguistics
National Scholarship , Chinese Ministries of Education and Finance |
| 2017 | Jiang Nanxiang Scholarship , Tsinghua University |
| 2014 | Individual Contest First Prize , National Linguistics Olympiad (NOL) |

Teaching Experience

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| Fall 2021 | CIS 530: Computational Linguistics , Teaching Assistant (upcoming), University of Pennsylvania |
| Fall 2019 | CIS 419/519: Applied Machine Learning , Teaching Assistant, University of Pennsylvania |
| Fall 2018 | Computational Linguistics , Teaching Assistant, Tsinghua University |

Services

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| 2021 | Reviewer for the Beyond the Imitation Game Benchmark (BIG-Bench) , Initiated by Google Research |
| 2020 | Co-organizer of CLUNCH, Penn’s NLP seminar series , University of Pennsylvania |

Skills

PROGRAMMING

Python, C/C++, SQL, MATLAB

LANGUAGES

Chinese (native), English (proficient), French (intermediate)

TEST SCORES

GRE: Verbal 168, Quantitative 170, Analytical Writing 4.0

TOEFL: Reading 30, Listening 30, Speaking 29, Writing 30