

# Qing Lyu

PHD STUDENT · COMPUTER AND INFORMATION SCIENCE

University of Pennsylvania, Philadelphia, PA 19104

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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

### PUBLISHED

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

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

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.)

### IN REVIEW

Yue Yang, Artemis Panagopoulou, **Qing Lyu**, Li Zhang, Mark Yatskar and Chris Callison-Burch. **Visual Goal-Step Inference using wikiHow**. *Under review*.

## 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**

ADVISOR: PROF. XIAOJING BAI

- Project: Cross-language Plagiarism Detection

*Beijing, China*

*Dec. 2018 - Jun. 2019*

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

## **Teaching Experience**

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

## **Services**

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

## **Skills**

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### **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