

# Jun Yan

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## RESEARCH INTERESTS

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Trustworthy NLP, Security, Robustness, Question Answering, Information Extraction

## EDUCATION

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**University of Southern California**

*Ph.D. in Computer Science*

**Los Angeles, California**

08/2019 - 05/2024 (*expected*)

- Advisor: Prof. Xiang Ren

**Tsinghua University**

*B.Eng. in Electronic Engineering*

**Beijing, China**

08/2015 - 07/2019

- Advisor: Prof. Zhiyuan Liu

## PUBLICATIONS AND PREPRINTS

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(\* indicates equal contribution)

- Textual Backdoor Attacks with Iterative Trigger Injection  
*arXiv:2205.12700*  
**Jun Yan**, Vansh Gupta, Xiang Ren
- On the Robustness of Reading Comprehension Models to Entity Renaming  
*In Proceedings of NAACL'22*  
**Jun Yan**, Yang Xiao, Sagnik Mukherjee, Bill Yuchen Lin, Robin Jia, Xiang Ren
- RockNER: A Simple Method to Create Adversarial Examples for Evaluating the Robustness of Named Entity Recognition Models  
*In Proceedings of EMNLP'21*  
Bill Yuchen Lin, Wenyang Gao, **Jun Yan**, Ryan Moreno, Xiang Ren
- AdaTag: Multi-Attribute Value Extraction from Product Profiles with Adaptive Decoding  
*In Proceedings of ACL-IJCNLP'21*  
**Jun Yan**, Nasser Zalmout, Yan Liang, Christan Grant, Xiang Ren, Xin Luna Dong
- Learning Contextualized Knowledge Structures for Commonsense Reasoning  
*In Findings of ACL-IJCNLP'21 (short version in KR2ML@NeurIPS'20)*  
**Jun Yan**, Mrigank Raman, Aaron Chan, Tianyu Zhang, Ryan Rossi, Handong Zhao, Sungchul Kim, Nedim Lipka, Xiang Ren
- Scalable Multi-Hop Relational Reasoning for Knowledge-Aware Question Answering  
*In Proceedings of EMNLP'20*  
Yanlin Feng\*, Xinyue Chen\*, Bill Yuchen Lin, Peifeng Wang, **Jun Yan**, Xiang Ren
- Learning from Explanations with Neural Execution Tree  
*In Proceedings of ICLR'20*  
Ziqi Wang\*, Yujia Qin\*, Wenxuan Zhou, **Jun Yan**, Qinyuan Ye, Leonardo Neves, Zhiyuan Liu, Xiang Ren

- Learning Dual Retrieval Module for Semi-supervised Relation Extraction  
In *Proceedings of TheWebConf'19*  
Hongtao Lin, **Jun Yan**, Meng Qu, Xiang Ren
- Language Modeling with Sparse Product of Sememe Experts  
In *Proceedings of EMNLP'18*  
Yihong Gu\*, **Jun Yan\***, Hao Zhu\*, Zhiyuan Liu, Ruobing Xie, Maosong Sun, Fen Lin, Leyu Lin

## WORK EXPERIENCE

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**Research Scientist Intern @ Meta AI** 05/2022 – 08/2022

- Language Understanding and Question Answering Team
- Mentors: Asish Ghoshal, Scott Wen-tau Yih, Asli Celikyilmaz, Pedro Rodriguez

**Applied Scientist Intern @ Amazon** 06/2020 – 11/2020

- Product Graph Team
- Mentors: Nasser Zalmout, Yan Liang, Xin Luna Dong

## HONORS AND AWARDS

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- Annenberg Fellowship, University of Southern California. 2019.
- Excellent Graduate, Tsinghua University. 2019.
- Samsung/JJWorld/Evergrande Scholarship, Tsinghua University. 2016/2017/2018.

## SERVICES

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- PC/Reviewer: ARR, ACL(2021), EMNLP (2020-2022), NAACL(2021), IEEE TNNLS.

## KEY SKILLS

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<b>Programming Language</b>	Python, C, C++, Java, MATLAB
<b>Machine Learning Library</b>	PyTorch, Scikit-Learn, NumPy, Pandas