

Jun Yan

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RESEARCH INTERESTS

Trustworthy NLP, Security, Robustness

EDUCATION

University of Southern California

Ph.D. in Computer Science

◦ Advisor: Prof. Xiang Ren

Los Angeles, California

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

Tsinghua University

B.Eng. in Electronic Engineering

◦ Advisor: Prof. Zhiyuan Liu

Beijing, China

08/2015 - 07/2019

PUBLICATIONS AND PREPRINTS

(* 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

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

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

SERVICES

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

KEY SKILLS

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