Jun Yan

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RESEARCH INTERESTS

Model Robustness, Commonsense Reasoning, Information Extraction

EDUCATION

University of Southern California   **Los Angeles, California**
Ph.D. in Computer Science   *08/2019 - 07/2024 (expected)*
○ Advisor: Prof. Xiang Ren

Tsinghua University   **Beijing, China**
B.Eng. in Electronic Engineering   *08/2015 - 07/2019*

PUBLICATIONS AND PREPRINTS

(* indicates equal contribution)

PREPRINT
○ On the Robustness of Reading Comprehension Models to Entity Renaming
   arXiv:2110.08555
   Jun Yan, Yang Xiao, Sagnik Mukherjee, Bill Yuchen Lin, Robin Jia, Xiang Ren

PUBLICATIONS
○ 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

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

- Product Graph Team (Manager: Xin Luna Dong)
- I developed an attribute value extraction model that can jointly handle the value extraction of many attributes. The model achieves improved performance with knowledge sharing across all attributes and demonstrates strong scalability with respect to the number of attributes. My project was selected as one of the top 4 (out of 10+) intern projects on the team for 2020.

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 (2020-2021), NAACL(2021), IEEE TNNLS.

KEY SKILLS

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