

# Woojeong Jin

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## RESEARCH INTERESTS

Multimodal Learning, Natural Language Processing

## EDUCATION

**University of Southern California**, Los Angeles, California

- Ph.D. in Computer Science Aug. 2018 – Present
  - Advisor: Prof. Xiang Ren

**Seoul National University**, Seoul, Korea

- B.S. in Electrical and Computer Engineering Feb. 2017

## RESEARCH & WORK EXPERIENCE

**Microsoft Research**, Redmond, Washington

- Research Intern Feb. 2022 – Present
  - Mentors: Subho Mukherjee, Yu Cheng, and Ahmed H. Awadallah

**Microsoft Azure AI**, Redmond, Washington

- Research Intern June 2021 – Jan. 2022
  - Mentors: Yu Cheng, Yelong Shen, and Weizhu Chen

**AI Integrity, Facebook AI**, Menlo Park, California

- Research Intern May. 2020 – Aug. 2020
  - Mentors: Hamed Firooz and Maziar Sanjabi

**Seoul National University**, Seoul, Korea

- Research Assistant Jan. 2016 – Apr. 2018
  - Advisor: Prof. U Kang

**LG Electronics**, Seoul, Korea

- Research Intern June 2014 – Aug. 2014

## PUBLICATIONS

### REFEREED CONFERENCE PAPERS

- [C10] [Woojeong Jin](#), Yu Cheng, Yelong Shen, Weizhu Chen, and Xiang Ren. A Good Prompt Is Worth Millions of Parameters: Low-resource Prompt-based Learning for Vision-Language Models. *ACL 2022 (long)*.
- [C9] [Woojeong Jin\\*](#), Dong-Ho Lee\*, Chenguang Zhu, Jay Pujara, and Xiang Ren. Leveraging Visual Knowledge in Language Tasks: An Empirical Study on Intermediate Pre-training for Cross-Modal Knowledge Transfer. *ACL 2022 (long)*.
- [C8] [Woojeong Jin](#), Maziar Sanjabi, Shaoliang Nie, Liang Tan, Xiang Ren, and Hamed Firooz. MSD: Saliency-aware Knowledge Distillation for Multimodal Understanding. *EMNLP 2021 Findings (long)*.
- [C7] [Woojeong Jin](#), Rahul Khanna, Suji Kim, Dong-Ho Lee, Fred Morstatter, Aram Galstyan, and Xiang Ren. ForecastQA: A Question Answering Challenge for Event Forecasting with Temporal Text Data. *ACL 2021 (long)*.
- [C6] [Woojeong Jin](#), Meng Qu, Xisen Jin, and Xiang Ren. Recurrent Event Network: Autoregressive Structure Inference over Temporal Knowledge Graphs. *EMNLP 2020 (long)*.
- [C5] Sankalp Garg\*, Navodita Sharma\*, [Woojeong Jin](#), and Xiang Ren. Temporal Attribute Prediction via Joint Modeling of Multi-Relational Structure Evolution. *IJCAI 2020*.
- [C4] Cong Fu, Tong Chen, Meng Qu, [Woojeong Jin](#), and Xiang Ren. Collaborative Policy Learning for Open Knowledge Graph Reasoning. *EMNLP 2019 (long)*.
- [C3] Weizhi Ma, Min Zhang, Yue Cao, [Woojeong Jin](#), Chenyang Wang, Yiqun Liu, Shaoping Ma, and Xiang Ren. Jointly Learning Explainable Rules for Recommendation with Knowledge Graph. *TheWebConf 2019*.

- [C2] Minji Yoon, Woojeong Jin, and U Kang. Fast and Accurate Random Walk with Restart on Dynamic Graphs with Guarantees. *TheWebConf 2018*.
- [C1] Jinhong Jung, Woojeong Jin, Lee Sael, and U Kang. Personalized Ranking in Signed Networks using Signed Random Walk with Restart. *ICDM 2016*.

#### REFEREED JOURNAL PAPERS

- [J3] Jinhong Jung, Woojeong Jin, Ha-myung Park, and U Kang. Accurate Relational Reasoning in Edge-labeled Graphs by Multi-labeled Random Walk with Restart. *World Wide Web Journal*, 2020.
- [J2] Woojeong Jin, Jinhong Jung, and U Kang. Supervised and Extended Restart in Random Walks for Ranking and Link Prediction in Networks. *PLOS ONE*, 2019.
- [J1] Jinhong Jung, Woojeong Jin, and U Kang. Random Walk Based Ranking in Signed Social Networks: Model and Algorithms. *KAIS*, 2019.

#### WORKSHOPS

- [W2] Woojeong Jin, Maziar Sanjabi, Shaoliang Nie, Liang Tan, Xiang Ren, and Hamed Firooz. Modality-specific Distillation. *MAI@NAACL 2021*.
- [W1] Woojeong Jin, Changlin Zhang, and Xiang Ren. Recurrent Event Network for Reasoning over Temporal Knowledge Graphs. *ICLR-RLGM 2019*.

#### PATENTS

#### KOREA

- **Method and Apparatus for Providing Supervised and Extended Restart in Random Walks for Ranking and Link Prediction in Networks** with Jinhong Jung and U Kang. Application number: 10-2017-0131543 (filed on Nov. 10, 2017). Registration number: 10-2048442 (registered on Nov. 19, 2019).
- **Method for Personalized Ranking in Signed Networks, Recording Medium And Device for Performing the Method.** with Jinhong Jung and U Kang. Application number: 10-2017-0005485 (filed on Jan. 12, 2017). Registration number: 10-1866866 (registered on June 05, 2018).

#### AWARDS & HONORS

- Kwanjeong Educational Foundation Scholarship Aug. 2018 – Present
- USC Annenberg Graduate Fellowship Aug. 2018 – Present
- Merit-based Scholarship, SNU 2014, 2015, 2016
- National Scholarship for Science and Engineering, Korea Student Aid Foundation 2010

#### SERVICES

- Program Committee Member (Reviewer):
- Conferences: KDD 2020, AKBC 2020, WSDM 2019, CONLL 2019, NeurIPS 2019
  - Workshops: ICLR 2019 LLD, KDD 2019 MLG, NeurIPS 2019 GRL

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