

# Woojeong Jin

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## RESEARCH INTERESTS

Graph-based Machine 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

**Seoul National University**, Seoul, Korea

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

**LG Electronics**, Seoul, Korea

- Research Intern June 2014 – Aug. 2014

## PUBLICATIONS

### REFEREED JOURNAL PAPERS

- [J1] [Woojeong Jin](#), Jinhong Jung, and U Kang. Supervised and Extended Restart in Random Walks for Ranking and Link Prediction in Networks. *PLOS ONE*, 2019.
- [J2] Jinhong Jung, [Woojeong Jin](#), and U Kang. Random Walk Based Ranking in Signed Social Networks: Model and Algorithms. *Knowledge and Information Systems (KAIS)*, 2019.

### REFEREED CONFERENCE PAPERS

- [C1] 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. *The Web Conference (WWW) 2019*.
- [C2] Minji Yoon, [Woojeong Jin](#), and U Kang. Fast and Accurate Random Walk with Restart on Dynamic Graphs with Guarantees. *The Web Conference (WWW) 2018*.
- [C3] Jinhong Jung, [Woojeong Jin](#), Lee Sael, and U Kang. Personalized Ranking in Signed Networks using Signed Random Walk with Restart. *IEEE International Conference on Data Mining (ICDM) 2016*.

### WORKSHOP

- [O1] [Woojeong Jin](#), Changlin Zhang, and Xiang Ren. Recurrent Event Network for Reasoning over Temporal Knowledge Graphs. *Representation Learning on Graphs and Manifolds at Seventh International Conference on Learning Representations (RLGM-ICLR)*, 2019.

## PATENTS

### KOREA

- [P1] **Method for Providing Supervised and Extended Restart in Random Walks for Ranking and Link Prediction in Networks** with Jinhong Jung and U Kang. KR: 10-2017-0131543 (filed on Nov. 10, 2017).
- [P2] **Method for Personalized Ranking in Signed Networks, Recording Medium And Device for Performing the Method** with Jinhong Jung and U Kang. KR: 10-2017-0005485 (filed on Jan. 12, 2017).

## 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

## REFERENCES

Available on request

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