

# Woojeong Jin

Dept. of Computer Science, SAL 311, 941 Bloom Walk  
University of Southern California, Los Angeles, CA 90089, USA  
Phone: +1 (213) 448-1503 • Email: woojeong.jin@usc.edu • http://woojeongjin.com

## RESEARCH INTERESTS

Graph Mining, Knowledge Graph, and Machine Learning

## EDUCATION

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

- 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, Dongjin Choi, Youngjin Kim, and U Kang. Activity Prediction from Sensor Data using Convolutional Neural Networks and an Efficient Compression Method. *Journal of KIISE*, 2018.
- [J2] Jinhong Jung, Woojeong Jin, and U Kang. Ranking in Signed Social Networks: Model and Algorithms. *Knowledge and Information Systems (KAIS)*. (Under revision)

### 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.

### OTHER PAPERS

- [O1] Woojeong Jin, Jinhong Jung, and U Kang. Recommender System based on Graph Ranking using Random Walk. *Communications of the Korean Institute of Information Scientists and Engineers (KIISE)*, 2016.

## 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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