

# Woojeong Jin

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## 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] [Woojeong Jin](#), Jinhong Jung, and U Kang. Supervised and Extended Restart in Random Walks for Ranking and Link Prediction in Networks. *European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD)*. (Under revision)
- [J3] 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] Minji Yoon, [Woojeong Jin](#), and U Kang. Fast and Accurate Random Walk with Restart on Dynamic Graphs with Guarantees. *The Web Conference (WWW)*, 2018.
- [C2] 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

**GRADUATE  
COURSEWORK**

- Pattern Recognition and Machine Learning (Audit) @ SNU
- Optimization Theory and Applications @ SNU

Spring 2017

Fall 2016

**REFERENCES**

Available on request

*[CV compiled on 2018-08-14]*