

Woojeong Jin

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RESEARCH INTERESTS

Machine Learning, Graph Mining, and Natural Language Processing

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, 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. Ranking in Signed Social Networks: Model and Algorithms. *Knowledge and Information Systems (KAIS)*, 2019.
- [J3] 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.

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

[CV compiled on 2019-03-02]