Haekyu Park

Contact	Data Mining Laboratory, Building 138 #314, Seoul National University 1, Gwanak-ro, Gwanak-gu, Seoul, Republic of Korea 08826 Email: hkpark627@snu.ac.kr Homepage: `http://haekyu.com`

Education

B.S., Computer Science and Engineering Mar. 2012 - Aug. 2017
Seoul National University, Seoul, Republic of Korea

Research Interests

Machine Learning, Data Mining, Graph Data Mining

Publications

1. <u>Haekyu Park</u>, Hyunsik Jeon, Junghwan Kim, Beunguk Ahn, and U Kang, **UniWalk: Explainable and Accurate Recommendation for Rating and Network Data**, SIAM International Conference on Data Mining (SDM), 2018. (under review)

2. Junghwan Kim, <u>Haekyu Park</u>, Ji-eun Lee, and U Kang, **SIDE: Representation Learning in Signed Directed Networks**, ACM International Conference on Web Search and Data Mining (WSDM), 2018. (under review)

3. <u>Haekyu Park</u>, Jinhong Jung, and U Kang, **A Comparative Study of Matrix Factorization and Random Walk with Restart in Recommender Systems**, IEEE International Conference on Big Data (BigData), 2017. (to appear)

Projects

1. Recommender system on videos of Oksusu application 2017 (Present)
   with SKT

2. Personalized Recommendation on Credit Card Benefits 2016
   with Hyundai Card

Awards and Honors

National Scholarship For Science and Engineering 2015
Merit-based

Work Experience

Research Intern June 2016 - Present
Advisor: Prof. U Kang
Data Minig Lab at Seoul National University

Graduate coursework

Probabilistic Graphical Models @ Seoul National University Fall 2016

Technical Skills

Advanced: Python, Java, C, C++.

Experienced: Matlab, OpenCL, Ocaml, Scheme, HTML.

Extracurricular Activities

1. Group study of statistics   Sept. 2017 - Present

   - With a book: "All of Statistics: A Concise Course in Statistical Inference", Larry Wasserman.
   - All members give a presentation for each topic in the book once a week.

2. Private tutoring   2012 - Present

   - Programming languages (Python, Java, C, Scheme) for graduate students, undergraduate students, workers in brokerage firms, and a businessman.
   - Mathematics for high school and elementary school students.
   - Physics for high school students.
   - Chemistry for high school students.

3. Tutoring   Jan. - Aug. 2015

   - General science for elementary school students.
     At Jungdae elementary school, Jamshin elementary school, Songjeon elementary school, and Daemyung elementary school in Seoul, Korea.
   - Study habit for elementary school and middle school students.
     At Samsung Digital City in Suwon, Korea.

4. Buddy assistant   Feb. - Aug. 2014

   - In club SNU (Seoul National University) Buddy.
   - Have become a friend with exchange students and helped them adapt to campus life and Korean culture.
   - Organized programs to enjoy together such as welcoming party, temple stay, short trips within Korea, folk games night, and farewell party.