

# 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>B.S., Computer Science and Engineering</b> Seoul National University, Seoul, Republic of Korea Graduated with honors (Cum Laude)	Mar. 2012 - Aug. 2017	
Research Interests	Machine Learning, Data Mining, Graph Data Mining		
Publications	<ol style="list-style-type: none"><li>1. <u>Haekyu Park</u>, Hyunsik Jeon, Junghwan Kim, Beunguk Ahn, and U Kang, <b>UniWalk: Explainable and Accurate Recommendation for Rating and Network Data</b>, SIAM International Conference on Data Mining (SDM), 2018. (under review)</li><li>2. Junghwan Kim, <u>Haekyu Park</u>, Ji-eun Lee, and U Kang, <b>SIDE: Representation Learning in Signed Directed Networks</b>, ACM International Conference on Web Search and Data Mining (WSDM), 2018. (under review)</li><li>3. <u>Haekyu Park</u>, Jinhong Jung, and U Kang, <b>A Comparative Study of Matrix Factorization and Random Walk with Restart in Recommender Systems</b>, IEEE International Conference on Big Data (BigData), 2017. (to appear)</li></ol>		
Projects	<ol style="list-style-type: none"><li>1. Recommender system on videos of Oksusu application with SKT</li><li>2. Personalized Recommendation on Credit Card Benefits with Hyundai Card</li></ol>	2017 (Present)	2016
Awards and Honors	<b>National Scholarship For Science and Engineering</b> Merit-based	2015	
Work Experience	<b>Research Intern</b> Advisor: Prof. U Kang Data Minig Lab at Seoul National University	June 2016 - Present	
Graduate coursework	Probabilistic Graphical Models @ Seoul National University	Fall 2016	
Technical Skills	<b>Advanced:</b> Python, Java, C, C++. <b>Experienced:</b> 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.