

# Haekyu Park

<b>Contact</b>	Data Mining Laboratory, Building 138 #314, Seoul National University 1, Gwanak-ro, Gwanak-gu, Seoul, Republic of Korea 08826 Email: hpark627@snu.ac.kr Homepage: <a href="http://haekyu.com">http://haekyu.com</a>
<b>Education</b>	<b>B.S., Computer Science and Engineering</b> Mar. 2012 - Aug. 2017 Seoul National University, Seoul, Republic of Korea
<b>Research Interests</b>	Machine Learning, Data Mining, Graph Data Mining
<b>Publications</b>	<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>
<b>Projects</b>	<ol style="list-style-type: none"><li>1. Recommender system on videos of Oksusu application with SKT 2017 (Present)</li><li>2. Personalized Recommendation on Credit Card Benefits with Hyundai Card 2016</li></ol>
<b>Awards and Honors</b>	<ol style="list-style-type: none"><li>1. National Scholarship For Science and Engineering 2015 Merit-based and fully funded</li></ol>
<b>Work Experience</b>	<ol style="list-style-type: none"><li>1. Research Intern June 2016 - Present Data Minig Lab at Seoul National University</li></ol>
<b>Graduate coursework</b>	<ol style="list-style-type: none"><li>1. Probabilistic Graphical Models Fall 2016 - At Seoul National University</li></ol>
<b>Technical Skills</b>	<b>Advanced:</b> Python, Java, C, C++. <b>Moderate:</b> Matlab, OpenCL, Ocaml, Scheme, HTML.

<b>Extracurricular Activities</b>	1. Group study of statistics	Sept. 2017 - Present
	<ul style="list-style-type: none"> <li>- With a book: "All of Statistics: A Concise Course in Statistical Inference", Larry Wasserman.</li> <li>- All members give a presentation for each topic in the book once a week.</li> </ul>	
	2. Private tutoring	2012 - Present
	<ul style="list-style-type: none"> <li>- Programming languages (Python, Java, C, Scheme) for graduate students, undergraduate students, workers in brokerage firms, and a businessman.</li> <li>- Mathematics for high school and elementary school students.</li> <li>- Physics for high school students.</li> <li>- Chemistry for high school students.</li> </ul>	
	3. Tutoring	Jan. - Aug. 2015
	<ul style="list-style-type: none"> <li>- General science for elementary school students. At Jungdae elementary school, Jamshin elementary school, Songjeon elementary school, and Daemyung elementary school in Seoul, Korea.</li> <li>- Study habit for elementary school and middle school students. At Samsung Digital City in Suwon, Korea.</li> </ul>	
	4. Buddy assistant	Feb. - Aug. 2014
	<ul style="list-style-type: none"> <li>- In club SNU (Seoul National University) Buddy.</li> <li>- Have become a friend with exchange students and helped them adapt to campus life and Korean culture.</li> <li>- Organized programs to enjoy together such as welcoming party, temple stay, short trips within Korea, folk games night, and farewell party.</li> </ul>	