

## EDUCATION

**Carnegie Mellon University**, Pittsburgh, USA Jan. 2020 - Jul. 2020  
 Visiting Scholar in Language Technologies Institute  
 Project Course Mentor: Jeffrey Gennari

**Sungkyunkwan University**, Seoul, Republic of Korea Mar. 2019 - Present  
 M. Sc. in Interaction Science  
 Advisor: Professor Eunil Park  
 Thesis Title: A Human-Centered Machine Learning Approach for Mental Health in Social Media (*in progress*)

**Hansung University**, Seoul, Republic of Korea Mar. 2015 - Feb. 2019  
 B. S. in Computer Engineering  
 Advisors: Professor Kitae Hwang and Professor Inhwon Jung

## PUBLICATIONS

- [1] A deep hybrid learning model for customer repurchase behavior.  
**Kim, J.**, Ji, H., Oh, S., Hwang, S., Park, E., & del Pobil, A. P. (accepted).  
*Journal of Retailing and Consumer Services*, ISSN: 0969-6989 (SSCI, JCR 2018 IF=3.585, Q2 in *Business*). [\[link\]](#)
- [2] Understanding social resistance to determine the future of Internet of Things (IoT) services.  
**Kim, J.**, & Park, E. (accepted).  
*Behaviour & Information Technology*, ISSN: 1362-3001 (SSCI, JCR 2019 IF=1.781).  
[\[link\]](#)
- [3] A deep learning model for detecting mental illness from user content on social media.  
**Kim, J.**, Lee, J., Park, E., & Han, J. (2020).  
*Scientific Reports*, 10, 11846, ISSN: 2045-2322 (SCIE, JCR 2019 IF=3.998, Q1 in *Multidisciplinary Sciences*). [\[link\]](#) [\[dataset\]](#)
- [4] Can AI be a content creator? Effects of content creators and information delivery methods on the psychology of content consumers.  
**Kim, J.**, Shin, S., Bae, K., Oh, S., Park, E. & del Pobil, A. P. (2020).  
*Telematics and Informatics*, 55, 101452, ISSN: 0736-5853 (SSCI, JCR 2019 IF=4.139, Q1 in *Information Science & Library Science*). [\[link\]](#)
- [5] Who will be your next customer: A machine learning approach to customer return visits in airline services.  
 Hwang, S., **Kim, J.**, Park, E., & Kwon, S. J. (2020).  
*Journal of Business Research*, 121, 121-126, ISSN: 0148-2963 (SSCI, JCR 2019 IF=4.874, Q1 in *Business*). [\[link\]](#)
- [6] Cross-cultural Comparison of Interactive Streaming Services: Evidence from Twitch.  
 Oh, S., **Kim, J.**, Ji, H., Park, E., Han, J., Ko, M., & Lee, M. (2020).  
*Telematics and Informatics*, 55, 101434, ISSN: 0736-5853 (SSCI, JCR 2019 IF=4.139, Q1 in *Information Science & Library Science*). [\[link\]](#)
- [7] Who will Subscribe to My Streaming Channel?: The Case of Twitch.  
**Kim, J.**, Bae, K., Park, E., & del Pobil, A. P. (2019).  
*In Conference Companion Publication of the 2019 on Computer Supported Cooperative Work and Social Computing* (pp. 247-251). ACM. [\[link\]](#) [\[poster\]](#)
- [8] Determinants of customer satisfaction with airline services: An analysis of customer feedback big data.

Park, E., Jang, Y., **Kim, J.**, Jeong N. J., Bae, K., & del Pobil, A. P. (2019).  
*Journal of Retailing and Consumer Services*, 51, 186-190, ISSN: 0969-6989 (SSCI,  
 JCR 2018 IF=3.585, Q2 in *Business*). [\[link\]](#)

[9] Beyond coolness: Predicting the technology adoption of interactive wearable devices.

**Kim, J.**, & Park, E. (2019).

*Journal of Retailing and Consumer Services*, 49, 114-119, ISSN: 0969-6989 (SSCI,  
 JCR 2018 IF=3.585, Q2 in *Business*). [\[link\]](#)

## WORK EXPERIENCE

**Electronics and Telecommunications Research Institute (ETRI)** Jun. 2018 - Aug. 2018  
 Undergraduate summer intern, working in IoT research section investigating research on multi-  
 ple conversational agents.

## TEACHING EXPERIENCE

**Sungkyunkwan University**, Seoul, Republic of Korea  
 Head Teaching Assistant, Undergraduate Course Fall 2020  
 - AAI3020: Capstone Design Project for Artificial Intelligence  
 Teaching Assistant, Undergraduate Course Fall 2019  
 - AAI2007: Introduction to Algorithms (*in English*)  
 Tutor, Undergraduate Tutoring Program Spring 2019  
**Hansung University**, Seoul, Republic of Korea  
 Tutor, Undergraduate Tutoring Program Spring 2018, Fall 2017, Spring 2017, Spring 2016

## RESEARCH PROJECTS

**Developing a Deep Learning Model for Detecting High-Risk Mental Health Group**, The  
 Individual Research Grants Program, the National Research Foundation of Korea (NRF).  
 - Research Associate (*in Charge*) Mar. 2020 - Present  
 - Investigating both theoretical and practical foundations of detecting high-risk mental health  
 group with deep learning approaches  
 - Analyzed mental health-related social media data, developed deep learning models for text  
 classification, and published 2 journal articles as a first author

**Designing an Analysis Model on Abnormal Statements in Thermal Pipelines Monitoring  
 Procedures**, The Commissioned Research, Korea Institute of Civil Engineering and Building  
 Technology (KICT).  
 - Research Associate Jul. 2020 – Nov. 2020  
 - Analyzed image segmentation techniques on crack detection, proposed U-Net based archi-  
 tectures, and submitted journal article as a second author

**Developing a Deep Learning Model for Predicting Service Reuse**, The Individual Research  
 Grants Program, NRF.  
 - Research Associate (*in Charge*) Mar. 2019 - Dec. 2019  
 - Analyzed large-scale data obtained from online services, developed deep learning models to  
 predict customers' service reuse, and published 3 journal articles

**Big Data Research for Artificial Intelligence Applications**, ETRI. Jun. 2019 - Nov. 2019  
 - Research Associate  
 - Analyzed chat messages in one of the live streaming platforms, predicted whether viewers  
 have paid subscriptions based on their chat messages  
 - Implemented web application using Flask, Python web framework, and uploaded project  
 tutorial video

**Theorizing and Analyzing User Resistance Behavior: An Application of Big Data Ap-  
 proaches**, Samsung Research Grants Program, Samsung and Sungkyunkwan University.  
 - Research Associate Jul. 2019 - Dec. 2019

	<ul style="list-style-type: none"> <li>- Carried out statistical analysis to investigate users' resistance behavior on IoT services, and published journal article as a first author</li> </ul>	
	<b>Development of the Appliance with Messaging Technology underlying Hyper-Connected Society</b> , Seoul Business Agency and Hansung University	
	<ul style="list-style-type: none"> <li>- Undergraduate Research Intern</li> </ul>	Nov. 2017 - Oct. 2018
	<ul style="list-style-type: none"> <li>- Developed real time location-based notification service prototype of both Android app and web application using Java, and published domestic conference paper</li> </ul>	
HONORS & AWARDS	<b>The Global Young Scientists Summit (GYSS) 2021</b> National Research Foundation, Singapore	Jan. 2021 ( <i>expected</i> )
	<b>Best Research Award (1st)</b> College of Computing, Sungkyunkwan University	Mar. 2020
	<b>Full Scholarship for Intensive Artificial Intelligence Program in CMU</b> Institute for Information and Communications Technology Promotion (IITP) under the Ministry of Science and ICT	Jan. 2020
	<b>Graduate Scholarship (\$12,000)</b> Sungkyunkwan University	2019 - 2020
	<b>Undergraduate Distinguished Achievement Award</b> Hansung University	Feb. 2019
	<b>Academic Excellence Scholarship (\$2,100; 1/2 Tuition)</b> Department of Computer Engineering, Hansung University	Fall 2017, Fall 2018
	<b>1st Prize in 2018 Capstone Design</b> Department of Computer Engineering, Hansung University	Jun. 2018
	<ul style="list-style-type: none"> <li>- Project Title: An MQTT based Real Time LBS System Design for Vehicles and Pedestrians</li> </ul>	
	<b>2nd Prize in 15th Embedded Software Contest</b> ETRI	Dec. 2017
	<ul style="list-style-type: none"> <li>- Project Title: Drone Streaming Solution Using Raspberry PI 3</li> </ul>	
ACADEMIC SERVICES	<b>Student Volunteer</b> - ICML 2020	
SKILLS	<b>Programming Language:</b> Python, C, Java, C++, Javascript	
REFERENCES	<b>Eunil Park, Ph. D.</b> (e-mail: eunilpark@skku.edu; phone: +82-2-740-1864) <ul style="list-style-type: none"> <li>- <i>Assistant Professor</i>, Department of Interaction Science &amp; Department of Applied Artificial Intelligence, Sungkyunkwan University, Republic of Korea</li> </ul>	
	<b>Kitae Hwang, Ph. D.</b> (e-mail: calafk@hansung.ac.kr; phone: +82-2-760-4300) <ul style="list-style-type: none"> <li>- <i>Professor</i>, Department of Computer Engineering, Hansung University, Republic of Korea</li> </ul>	