

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 - Feb. 2021
M.Sc. in Interaction Science
Advisor: Professor Eunil Park
Thesis Title: A Human-Centered Machine Learning Approach for Mental Health in Social Media
- Hansung University**, Seoul, Republic of Korea Mar. 2015 - Feb. 2019
B.S. in Computer Engineering
Advisors: Professor Kitae Hwang and Professor Inhwon Jung

PUBLICATIONS

* = co-corresponding author, ** = equal contribution

- [1] Between Comments and Repeat Visit: Capturing Repeat Visitors with a Hybrid Approach.
Kim, J.**, Jang, Y.**, Bae, K., Oh, S., Jeong, N. J., Park, E., Han, J., & del Pobil, A. P. (accepted).
Data Technologies and Applications, ISSN: 2514-9288 (SSCI, JCR 2019 IF=0.704).
[\[link\]](#)
- [2] What books will be your bestseller? A machine learning approach with Amazon Kindle.
Lee, S., Ji, H., **Kim, J.***, & Park, E. (accepted).
The Electronic Library, ISSN: 0264-0473 (SSCI, JCR 2019 IF=0.792). [\[link\]](#)
- [3] 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).
[\[link\]](#)
- [4] Machine Learning for Mental Health in Social Media: Bibliometric Study
Kim, J., Lee, D., & Park, E. (2021).
Journal of Medical Internet Research, 23(3), e24870. ISSN: 1438-8871 (SCIE, JCR 2019 IF=5.034, Q1 in *Medical Informatics*). [\[link\]](#)
- [5] A deep hybrid learning model for customer repurchase behavior.
Kim, J., Ji, H., Oh, S., Hwang, S., Park, E., & del Pobil, A. P. (2021).
Journal of Retailing and Consumer Services, 59, 102381. ISSN: 0969-6989 (SSCI, JCR 2018 IF=3.585, Q2 in *Business*). [\[link\]](#)
- [6] 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*). [\[link\]](#) [\[dataset\]](#)
- [7] 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*). [\[link\]](#)

- [8] 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*). [\[link\]](#)
- [9] 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*). [\[link\]](#)
- [10] 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. [\[link\]](#) [\[poster\]](#)
- [11] 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*). [\[link\]](#)
- [12] 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 - Feb. 2021
- 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 architectures, and submitted journal article as a second author

	<p>Developing a Deep Learning Model for Predicting Service Reuse, The Individual Research Grants Program, NRF.</p> <ul style="list-style-type: none"> - Research Associate (<i>in Charge</i>) 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 <p>Big Data Research for Artificial Intelligence Applications, ETRI. Jun. 2019 - Nov. 2019</p> <ul style="list-style-type: none"> - 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 <p>Theorizing and Analyzing User Resistance Behavior: An Application of Big Data Approaches, Samsung Research Grants Program, Samsung and Sungkyunkwan University.</p> <ul style="list-style-type: none"> - Research Associate Jul. 2019 - Dec. 2019 - Carried out statistical analysis to investigate users' resistance behavior on IoT services, and published journal article as a first author <p>Development of the Appliance with Messaging Technology underlying Hyper-Connected Society, Seoul Business Agency and Hansung University</p> <ul style="list-style-type: none"> - Undergraduate Research Intern Nov. 2017 - Oct. 2018 - Developed real time location-based notification service prototype of both Android app and web application using Java, and published domestic conference paper 	
HONORS & AWARDS	<p>The Global Young Scientists Summit (GYSS) 2021 Jan. 2021 National Research Foundation, Singapore</p> <p>Best Research Award (1st) Mar. 2020 College of Computing, Sungkyunkwan University</p> <p>Full Scholarship for Intensive Artificial Intelligence Program in CMU Jan. 2020 Institute for Information and Communications Technology Promotion (IITP) under the Ministry of Science and ICT</p> <p>Graduate Scholarship (\$12,000) 2019 - 2020 Sungkyunkwan University</p> <p>Undergraduate Distinguished Achievement Award Feb. 2019 Hansung University</p> <p>Academic Excellence Scholarship (\$2,100; 1/2 Tuition) Fall 2017, Fall 2018 Department of Computer Engineering, Hansung University</p> <p>1st Prize in 2018 Capstone Design Jun. 2018 Department of Computer Engineering, Hansung University</p> <ul style="list-style-type: none"> - Project Title: An MQTT based Real Time LBS System Design for Vehicles and Pedestrians <p>2nd Prize in 15th Embedded Software Contest Dec. 2017 ETRI</p> <ul style="list-style-type: none"> - Project Title: Drone Streaming Solution Using Raspberry PI 3 	
ACADEMIC SERVICES	<p>Reviewer</p> <ul style="list-style-type: none"> - Behaviour & Information Technology <p>Student Volunteer</p> <ul style="list-style-type: none"> - ICML 2020 	
SKILLS	<p>Programming Language: Python, C, Java, C++, Javascript</p>	

REFERENCES

Eunil Park, Ph. D. (e-mail: eunilpark@skku.edu; phone: +82-2-740-1864)

- *Assistant Professor*,

Department of Interaction Science & Department of Applied Artificial Intelligence,
Sungkyunkwan University, Republic of Korea

Jinyoung Han, Ph. D. (e-mail: jinyoungchan@skku.edu; phone: +82-2-740-1797)

- *Assistant Professor*,

Department of Applied Artificial Intelligence, Sungkyunkwan University, Republic of Korea

Kitae Hwang, Ph. D. (e-mail: calafk@hansung.ac.kr; phone: +82-2-760-4300)

- *Professor*,

Department of Computer Engineering, Hansung University, Republic of Korea