Jina Kim

kim01479@umn.edu | jina-kim.github.io

EDUCATION

University of Minnesota, Minneapolis, USA   Sep. 2021 (*Expected*)
Ph.D. in Computer Science
Advisor: Professor Yao-Yi Chiang

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 Inhwan 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] 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] What books will be your bestseller? A machine learning approach with Amazon Kindle.
Lee, S., Ji, H., **Kim, J.***, & Park, E.
The Electronic Library, 39(1), 137-151. ISSN: 0264-0473 (SSCI, JCR 2019 IF=0.792).
[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	**Raon Data**	Mar. 2021 - Jun. 2021

AI scientist intern

Electronics and Telecommunications Research Institute (ETRI) Jun. 2018 - Aug. 2018
Undergraduate summer intern, investigated research on multiple conversational agents in IoT research section

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

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 Approaches, Samsung Research Grants Program, Samsung and Sungkyunkwan University.

- 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

Development of the Appliance with Messaging Technology underlying Hyper-Connected Society, Seoul Business Agency and Hansung University

- 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	**2nd Prize in Fake-EmoReact Challenge** Jun. 2021 SocialNLP @ NAACL '21

2nd Prize in Fake-EmoReact Challenge   Jun. 2021
SocialNLP @ NAACL '21

The Global Young Scientists Summit (GYSS) 2021   Jan. 2021
National Research Foundation, Singapore

Best Research Award (1st)   Mar. 2020
College of Computing, Sungkyunkwan University

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

Graduate Scholarship ($12,000)   2019 - 2020
Sungkyunkwan University

Undergraduate Distinguished Achievement Award   Feb. 2019
Hansung University

Academic Excellence Scholarship ($2,100; 1/2 Tuition)   Fall 2017, Fall 2018
Department of Computer Engineering, Hansung University

1st Prize in 2018 Capstone Design   Jun. 2018
Department of Computer Engineering, Hansung University
- Project Title: An MQTT based Real Time LBS System Design for Vehicles and Pedestrians

2nd Prize in 15th Embedded Software Contest   Dec. 2017
ETRI

- Project Title: Drone Streaming Solution Using Raspberry PI 3

ACADEMIC **Reviewer**
SERVICES - Behaviour & Information Technology

Student Volunteer
- ICML 2020

SKILLS **Programming Language:** Python, C, Java, C++, Javascript

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: jinyounghan@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

LAST UPDATE June 20, 2021