Jina Kim

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Research Interests

Human–Computer Interaction, Natural Language Processing, Computational Social Science

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

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

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*).

[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).

[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*). [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*).

[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*).

[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*).

[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.

[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*).

[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*).

WORK EXPERIENCE

Electronics and Telecommunications Research Institute (ETRI) Jun. 2018 - Aug. 2018
Undergraduate Summer Intern, Mentor: Donghun Lee

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 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 live streaming platforms, predicted whether viewers have payed 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

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 SERVICES

Student Volunteer
- ICML 2020

SKILLS

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