

Research Interests

I study how to steer the impact of language to improve human well-being. I enjoy building systems and studying people. I work on personalizing language media arts (*e.g.*, lyrics, scripts) to user contexts by leveraging generative AI.

Education

- Ph.D. in Technology and Social Behavior** Sept. 2021 - Present
Joint Ph.D. program in Computer Science and Communication Studies (GPA: 4.0/4.0)
Northwestern University, Evanston, IL, USA
Advisor: Dr. Matthew Kay
- M.Phil. in Computer Science and Engineering** Sept. 2018 - Nov. 2020
Hong Kong University of Science and Technology, Hong Kong SAR
Advisor: Dr. Xiaojuan Ma, Committee: Dr. Pan Hui and Dr. Dongwon Lee
- B.S. in Business Administration** Mar. 2012 - Feb. 2018
B.S. in Computer Science and Engineering
Hanyang University, Seoul, Republic of Korea

Previous Experience

- KAIST Interaction Lab** (KIXLAB), Daejeon, Republic of Korea Jan. 2021 - Jun. 2021
Researcher
Mentor: Dr. Juho Kim
- 2nd Infantry Division**, Camp Casey, Eighth United States Army Jun. 2013 - Jan. 2015
Commander's Translator / Rank: Sergeant (E-5)
Supervisor: CPT Gregory Gemedschiew (O-3)

Publications

Conference Proceedings and Journal Articles

- [c.5] Opportunities in Mental Health Support for Informal Dementia Caregivers Suffering from Verbal Agitation.
Taewook Kim, Hyeok Kim, Angela Roberts, Maia Jacobs, Matthew Kay.
ACM CSCW 2024. (To appear)
- [c.4] RLens: A Computer-aided Visualization System for Supporting Reflection on Language Learning under Distributed Tutorship.
Meng Xia, Yankun Zhao, Jihyeong Hong, Mehmet Hamza Erol, **Taewook Kim**, Juho Kim.
ACM L@S 2022.
- [c.3] Love in Lyrics: An Exploration of Supporting Textual Manifestation of Affection in Social Messaging.
Taewook Kim, Jung Soo Lee, Zhenhui Peng, and Xiaojuan Ma.
ACM CSCW 2019. (Acceptance rate: 31.2%)
- [c.2] Understanding and Modeling User-Perceived Brand Personality from Mobile Application UIs.
Ziming Wu, **Taewook Kim**, Quan Li, and Xiaojuan Ma.
ACM CHI 2019. (Acceptance rate: 23.8%)

[c.1] Mediating Color Filter Exploration with Color Theme Semantics Derived from Social Curation Data.
Ziming Wu, Zhida Sun, **Taewook Kim**, Manuele Reani, Caroline Jay, and Xiaojuan Ma.
ACM CSCW 2018. (Acceptance rate: 26.1%)

[j.1] Multidimensional Analysis of Consumers’ Opinions from Online Product Reviews.
Taewook Kim, Dong Sung Kim, Donghyun Kim, and Jong Woo Kim.
Asia Pacific Journal of Information Systems. Vol. 29, No. 4, (December 2019)

Extended Abstracts: Posters and Workshops

[w.1] Rawal: A Reflection Assistant with Active Listening for Peer Support Chats.
Ryan Louie, **Taewook Kim**, Zhenhui Peng.
ACM CHI 2023 Workshop on Self-Reflection Technologies.

[p.4] Opportunities to Support Communal Experiences of Deaf and Hard-of-Hearing People in Live Popular Music Concerts.
Hyomin Han, **Taewook Kim**.
ACM GROUP 2022 Poster.

[p.3] Facilitating Continuous Text Messaging in Romantic Encounters Online by Expanded Keywords Enumeration.
Taewook Kim, Qingyu Guo, Hyeonjae Kim, Wenjie Yang, Meiziniu Li, Xiaojuan Ma.
ACM CSCW 2022 Poster.

[p.2] Improving Readers’ Awareness of Divergent Viewpoints by Displaying Agendas of Comments in Online News Discussions.
Taewook Kim, Hyunwoo Kim, Juho Kim, and Xiaojuan Ma.
ACM CSCW 2021 Poster.

[p.1] GremoBot: Exploring Emotion Regulation in Group Chat.
Zhenhui Peng, **Taewook Kim**, and Xiaojuan Ma.
ACM CSCW 2019 Poster.

Magazine Article

[m.1] Literature and AI - Expecting Roles of Bridging Writers and Readers.
John Joon Young Chung, **Taewook Kim**.
The Poet’s Notebook (A Quarterly Journal): Summer, 2023.

Awards & Honors

Fellowships

NU Advanced Cognitive Science Fellowship	2023 - 2024
NU Design Cluster Fellowship	2022 - 2023
NU Graduate Fellowship	2021 - 2022

Academic Services

Reviewer (*) <i>Special Recognitions for Outstanding Reviews</i>	
ACM CHI, * (2022), * (2023), * (2024)	2019 - Present
ACM CSCW, * (2022), * (2023)	2021 - Present

Student Volunteer

ACM CHI	2022
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