

Research Interests

Broadly – I am interested in designing tools for reframing one context to another shape by leveraging AI.

Latently – I build and evaluate interactive systems to help users personalize the language content to enhance authors' expression and audiences' comprehension by leveraging large language models.

Education

Ph.D. in Technology and Social Behavior

Sept. 2021 - Present

Joint Ph.D. in Computer Science and Communication Studies (GPA: 4.0/4.0)

Northwestern University, Evanston, IL, USA

Advisor: Matthew Kay

M.Phil. in Computer Science and Engineering

Sept. 2018 - Nov. 2020

Hong Kong University of Science and Technology, Hong Kong SAR

Advisor: Xiaojuan Ma, Committee: Pan Hui and Dongwon Lee

B.S. in Business Administration

Mar. 2012 - Feb. 2018

B.S. in Computer Science and Engineering

Hanyang University, Seoul, Republic of Korea

Advisor: Jong Woo Kim

Employment

Accenture Labs, San Francisco, CA

Jun. 2024 - Present

Visiting Researcher | Digital Experience team

Mentor: Manaswi Saha and Jordan Ackerman

Midjourney, Inc., San Francisco, CA

Mar. 2024 - Present

Visiting Researcher | Storytelling team

Mentor: John Joon Young Chung and Max Kreminski

KAIST Interaction Lab (KIXLAB), Daejeon, Republic of Korea

Jan. 2021 - Jul. 2021

Researcher

Mentor: Juho Kim

Publications

Conference Proceedings and Journal Articles

[c.6] Authors' Values and Attitudes Towards AI-bridged Scalable Personalization of Creative Language Arts.

Taewook Kim, Hyomin Han, Eytan Adar, Matthew Kay, John Joon Young Chung.

ACM CHI 2024. (Acceptance rate: 26.3%)

Best paper honorable mention (top 5%)

[c.5] Opportunities in Mental Health Support for Informal Dementia Caregivers Suffering from Verbal Agitation.

Taewook Kim, Hyeok Kim, Angela C. Roberts, Maia Jacobs, Matthew Kay.

ACM CSCW 2024.

[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 Magazine): Summer, 2023.

Teaching Experiences

Human-Computer Interaction (COMP 4461), HKUST

Fall 2019

Teaching Assistant | Lecturer: Xiaojuan Ma

Design and Analysis of Algorithms (COMP 3711), HKUST

Spring 2019

Teaching Assistant | Lecturer(s): Mordecai J. Golin & Xiaojuan Ma

Awards & Honors

Best Paper Honorable Mention, ACM CHI 2024, [c.6]

2024

Advanced Cognitive Science Fellowship, Northwestern

2023 - 2024

Design Cluster Fellowship, Northwestern

2022 - 2023

Graduate Fellowship, Northwestern

2021 - 2022

Academic Services

Reviewer (★) *Special Recognitions for Outstanding Reviews*

ACM CHI, ★ (2022), ★ (2023), ★ (2024)

2019 - Present

ACM CSCW, ★ (2022), ★ (2023)

2021 - Present

ACM UIST, ★ (2024)

2024 - Present

Student Volunteer

ACM CHI

2022