Taewook Kim taewook@u.northwestern.edu • taewookkim.com

Research Interests

Broadly – Designing/building tools for reframing one context to another shape by leveraging AI.
Lately – 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 Experiences 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

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 Publications

Refereed Conference Proceedings and Journal Articles (fully reviewed, archival)

[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%)

Extended Abstracts: Posters and Workshops (lightly reviewed)

[E.5] **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

[E.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

[E.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

[E.2] **Improving Readers' Awareness of Divergent Viewpoints by Displaying Agendas of Comments in Online News Discussions**
<u>Taewook Kim</u>, Hyunwoo Kim, Juho Kim, and Xiaojuan Ma
ACM CSCW 2021 Poster

[E.1] **GremoBot: Exploring Emotion Regulation in Group Chat**
Zhenhui Peng, <u>Taewook Kim</u>, 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, <u>Taewook Kim</u>
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

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