

Research Interests

I build and evaluate AI-powered tools to help people infuse social values (e.g., love, sincerity) in language.

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

Military Service: 2013 – 2015

Hanyang University, Seoul, Republic of Korea

Advisor: Jong Woo Kim

Research Internships

Midjourney, Inc., San Francisco, CA

Mar. 2024 - Sept. 2024

Visiting Researcher | Storytelling Lab

Mentor: John Joon Young Chung and Max Kreminski

Accenture Labs, San Francisco, CA

Jun. 2024 - Sept. 2024

Visiting Researcher | Digital Experiences R&D group

Mentor: Manaswi Saha and Jordan Ackerman

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

Jan. 2021 - Jul. 2021

Researcher

Mentor: Juho Kim

Academic Publications

Refereed Conference Proceedings and Journal Articles (fully reviewed, archival) – **two papers** under review

[C.7] MentalImager: Exploring Generative Images for Assisting Support-Seekers' Self-Disclosure in Online Mental Health Communities

Han Zhang, Jiaqi Zhang, Yuxiang Zhou, Ryan Louie, Taewook Kim, Qingyu Guo, Shuailin Li, Zhenhui Peng

ACM CSCW 2025 (Acceptance after major revision)

[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% among 4,028 submissions)

- [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.6] **Transforming Language to Improve Human Communication**
Taewook Kim, Duri Long
ACM CSCW 2024 Workshop on Envisioning New Futures of Positive Social Technology
- [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**
Taewook Kim, Hyunwoo Kim, Juho Kim, and Xiaojuan Ma
ACM CSCW 2021 Poster
- [E.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

Awards & Honors

School of Communication Graduate Fellowship, Northwestern	2024 - 2025
Best Paper Honorable Mention, ACM CHI 2024, [c.6]	2024
Advanced Cognitive Science Fellowship, Northwestern	2023 - 2024
Design Cluster Fellowship, Northwestern	2022 - 2023
Computer Science Graduate Fellowship, Northwestern	2021 - 2022

Teaching Experiences

Technology and Human Interaction (COMP_SCI 314), Northwestern University <i>Teaching Assistant</i> Lecturer: Darren Gergle	Winter 2025
Human-Computer Interaction (COMP 4461), HKUST <i>Teaching Assistant</i> Lecturer: Xiaojuan Ma	Fall 2019
Design and Analysis of Algorithms (COMP 3711), HKUST <i>Teaching Assistant</i> Lecturer(s): Mordecai J. Golin & Xiaojuan Ma	Spring 2019

Academic Services

Reviewer (★) <i>Special Recognitions for Outstanding Reviews</i> ACM CHI, ★ (2022), ★ (2023), ★ (2024), ★★ (2025)	2019 - Present
ACM CSCW, ★ (2022), ★ (2023)	2021 - Present
ACM UIST, ★ (2024)	2024 - Present
ACM IUI	2024 - Present
ACL In2Writing Workshop	2023 - Present
Student Volunteer – ACM CHI	2022
Peer mentor TSB program buddy Northwestern PhD visiting event	2022 - Present 2022

References

Matthew Kay, Associate Professor
Northwestern University
mjskay@northwestern.edu

John Chung, Research Scientist
Midjourney, Inc.
jchung@midjourney.com