

## Research Interests

**Broadly** – Building and evaluating novel interfaces for AI systems to improve human-human communication.

**Lately** – Designing human-AI interaction paradigms that can preserve and enhance human agency in AI systems.

## Education

**Northwestern University**, Evanston, IL Sept. 2021 – Present  
Ph.D., Technology and Social Behavior (GPA: 4.0/4.0)  
Advisor: Matthew Kay

**Hong Kong University of Science and Technology**, Hong Kong SAR Sept. 2018 – Nov. 2020  
M.Phil., Computer Science and Engineering  
Advisor: Xiaojuan Ma, Committee: Pan Hui and Dongwon Lee

**Hanyang University**, Seoul, South Korea Mar. 2012 – Feb. 2018  
B.S., Business Administration Military Service: 2013 – 2015  
B.S., Computer Science and Engineering

## Research Experience

**Toyota Research Institute**, Los Altos, CA Jun. 2025 - Aug. 2025  
*Research Intern* | Mentor: Matthew Hong and Matt Klenk

**Midjourney, Inc.**, San Francisco, CA Mar. 2024 - Sept. 2024  
*Visiting Researcher* | Mentor: John Joon Young Chung and Max Kreminski

**Accenture Labs**, San Francisco, CA Jun. 2024 - Sept. 2024  
*Visiting Researcher* | Mentor: Manaswi Saha and Jordan Ackerman

**KAIST Interaction Lab (KIXLAB)**, Daejeon, Republic of Korea Jan. 2021 - Jul. 2021  
*Researcher* | Mentor: Juho Kim

## Awards & Honors

<b>Nominated for the Outstanding Teaching Assistant Awards</b> , Northwestern University	2025
<b>School of Communication Graduate Fellowship</b> , Northwestern University	2024 - 2025
<b>Best Paper Honorable Mention</b> , ACM CHI 2024, [c.6]	2024
<b>Advanced Cognitive Science Fellowship</b> , Northwestern University	2023 - 2024
<b>Design Cluster Fellowship</b> , Northwestern University	2022 - 2023
<b>Computer Science Graduate Fellowship</b> , Northwestern University	2021 - 2022

## Academic Publications

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

[R.2] ***Title Omitted for the Double Blind Review Policy***

Taewook Kim, Matthew Kay, Yuqian Sun, Melissa Roemmele, Max Kreminski, John Joon Young Chung  
*Submitted to ACM UIST 2025 (Under Review)*

[R.1] ***Steering AI-driven Personalization of Scientific Text for General Audiences***

Taewook Kim, Dhruv Agarwal, Jordan Ackerman, Manaswi Saha  
*Revised and Resubmitted to ACM CSCW 2025 (Major Revision)*

- [C.7] **Mentallmager: Exploring Generative Images for Assisting Support-Seekers' Self-Disclosure in On-line Mental Health Communities**  
Han Zhang, Jiaqi Zhang, Yuxiang Zhou, Ryan Louie, [Taewook Kim](#), Qingyu Guo, Shuailin Li, Zhenhui Peng  
*ACM CSCW 2025* (To appear)
- [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*

## Teaching Experiences

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

## Academic Mentoring

<b>Grace He</b> , Northwestern CS Undergraduate	Winter – Spring 2025
<b>Joanna Jung</b> , Northwestern CS Undergraduate	Winter – Spring 2025
<b>Hyunbin Lee</b> , Northwestern CS Undergraduate	Winter – Spring 2025

## Academic Services

<b>Reviewer</b> (★) <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 DIS	2025 – Present
ACM IUI	2024
ACL In2Writing Workshop	2023 – Present
<b>Student Volunteer</b> – ACM CHI	2022
<b>Peer mentor</b>	
TSB program buddy	2022 - Present
Northwestern PhD visiting event	2022, 2025

## References

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

**Darren Gergle**, Professor, Northwestern University  
dgergle@northwestern.edu

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