

## Research Interests

My research interests span the intersection between human-computer interaction (HCI) and AI. Specifically, I am interested in designing human-AI interaction paradigms that can preserve and enhance human agency.

## Education

<b>Northwestern University</b> , Evanston, IL Ph.D., Technology and Social Behavior (GPA: 4.0/4.0) Advisor: Matthew Kay	Sept. 2021 – Present
<b>Hong Kong University of Science and Technology</b> , Hong Kong SAR Master of Philosophy, Computer Science and Engineering Advisor: Xiaojuan Ma, Committee: Pan Hui and Dongwon Lee	Sept. 2018 – Nov. 2020
<b>Hanyang University</b> , Seoul, South Korea Bachelor of Science, Business Administration Bachelor of Science, Computer Science and Engineering	Mar. 2012 – Feb. 2018 Military Service: 2013 – 2015

## Research Experience

<b>Toyota Research Institute</b> , Los Altos, CA <i>Research Intern</i>   Future Product Innovation team (Human-Centered AI) Mentor: Matthew Hong and Matt Klenk	Jun. 2025 - Aug. 2025
<b>Midjourney, Inc.</b> , San Francisco, CA <i>Visiting Researcher</i>   Storytelling Lab Mentor: John Joon Young Chung and Max Kreminski	Mar. 2024 - Sept. 2024
<b>Accenture Labs</b> , San Francisco, CA <i>Visiting Researcher</i>   Digital Experiences R&D group Mentor: Manaswi Saha and Jordan Ackerman	Jun. 2024 - Sept. 2024
<b>KAIST Interaction Lab (KIXLAB)</b> , Daejeon, Republic of Korea <i>Researcher</i> Mentor: Juho Kim	Jan. 2021 - Jul. 2021

## Awards & Honors

<b>Nominated for the Outstanding TA Award</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) – **four 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

## Teaching Experiences

**Technology and Human Interaction (COMP\_SCI 314), Northwestern University** Winter 2025  
*Teaching Assistant* | Lecturer: Darren Gergle  
Nominated for the Outstanding TA Award

**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 Mentoring

Grace He, Northwestern CS Undergraduate Winter 2025  
Joanna Jung, Northwestern CS Undergraduate Winter 2025  
Hyunbin Lee, Northwestern CS Undergraduate Winter 2025

## Academic Services

**Reviewer** (\*) *Special Recognitions for Outstanding Reviews*  
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

**Student Volunteer** – ACM CHI 2022

**Peer mentor**  
TSB program buddy 2022 - Present  
Northwestern PhD visiting event 2022