

## Research Interests

**Broadly** – Designing/building tools to improve human-human communications by leveraging AI.

**Lately** – I build and evaluate interactive systems to support the personalization of language content to enhance authors’ expression and audiences’ engagement 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

Military Service: 2013 – 2015

Hanyang University, Seoul, Republic of Korea

Advisor: Jong Woo Kim

## Employment

### Accenture Labs, San Francisco, CA

Jun. 2024 - Present

*Visiting Researcher* | Digital Experiences R&D group

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**

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

**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