

TAE SOO KIM

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RESEARCH INTEREST

I'm interested in the intersection of human-computer interaction (**HCI**) and artificial intelligence (**AI**). I design interaction techniques powered by machine learning models that enable and facilitate **intent-driven creation** (e.g., designing, writing).

EDUCATION

KAIST **Mar 2022 - Present**
Ph.D. in Computer Science *Daejeon, South Korea*
Advisor: Juho Kim

KAIST **Mar 2020 - Feb 2022**
M.S. in Computer Science *Daejeon, South Korea*
Advisor: Juho Kim

KAIST **Sep 2015 - Feb 2020**
B.S. in Computer Science (Magna Cum Laude) *Daejeon, South Korea*

PUBLICATIONS

Conference and Journal Papers

[C5] Stylette: Styling the Web with Natural Language

Tae Soo Kim, DaEun Choi, Yoonseo Choi, Juho Kim

CHI 2022: Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems. To appear.

Honorable Mention Award

[C4] Promptiverse: Scalable Generation of Scaffolding Prompts Through Human-AI Hybrid Knowledge Graph Annotation

Yoonjoo Lee, John Joon Young Chung, **Tae Soo Kim**, Jean Y Song, Juho Kim

CHI 2022: Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems. To appear.

[C3] Winder: Linking Speech and Visual Objects to Support Communication in Asynchronous Collaboration

Tae Soo Kim, Seungsu Kim, Yoonseo Choi, Juho Kim

CHI 2021: Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems.

[C2] Supporting Collaborative Sequencing for Small Groups through Visual Awareness

Tae Soo Kim, Nitesh Goyal, Jeongyeon Kim, Juho Kim, Sungsoo (Ray) Hong

Proceedings of the ACM on Human-Computer Interaction, Volume 5, Issue CSCW. 1April 2021. Article No.: 176, pp 1–29. Presented at CSCW 2021.

[C1] Design for Collaborative Information-Seeking: Understanding User Challenges and Deploying Collaborative Dynamic Queries

Sungsoo (Ray) Hong, Minhyang (Mia) Suh, **Tae Soo Kim**, Irina Smoke, Sangwha Sien, Janet Ng, Mark Zachry, Juho Kim

Proceedings of the ACM on Human-Computer Interaction, Volume 3, Issue CSCW. November 2019. Article No.: 106, pp 1–24. Presented at CSCW 2019.

Posters, Demos, and Workshop Papers

[P3] Interactive Children's Story Rewriting Through Parent-Children Interaction

Yoonjoo Lee, **Tae Soo Kim**, Minsuk Chang, Juho Kim

ACL 2022 Workshop on Intelligent and Interactive Writing Assistant

[P2] Improving Video Interfaces by Presenting Informational Units of Videos

Saelyne Yang, Sangkyung Kwak, **Tae Soo Kim**, Juho Kim

CHI 2022 Workshop on Computational Approaches for Understanding, Generating, and Adapting User Interfaces

[P1] Consensus Building in Collaborative Sequencing with Visual Awareness

Tae Soo Kim, Sungsoo (Ray) Hong, Nitesh Goyal, Jeongyeon Kim, Juho Kim

CHI 2020 Extended Abstract

HONORS AND AWARDS

Honorable Mention Award 2022
ACM CHI 2022

Outstanding M.S. Thesis Award 2022
School of Computing, KAIST

Special Recognition for Outstanding Reviews 2022
CHI 2022

Dean's List Spring 2018
School of Computing, KAIST

TEACHING

Introduction to Human-Computer Interaction Spring 2021
KAIST CS374, Instructor: Juho Kim

Introduction to Social Computing Fall 2020
KAIST CS473, Instructor: Juho Kim

Scientific Writing Spring 2020
Fall 2019
KAIST CC500, Instructor: Mik Fanguy

Introduction to Programming Fall 2018
KAIST CS101

ACADEMIC SERVICES

Reviewer

CHI 2022

CHI LBW 2021

CSCW 2020

Student Volunteer

UIST 2021

RESEARCH EXPERIENCE

KIXLAB, KAIST

Undergraduate Research Intern

Dec 2017 - Feb 2020

Daejeon, South Korea

- Led a project on supporting consensus building in collaborative sequencing tasks. [C2, P1]
- Implemented a system for group decision-making and prepared it for a deployment study. [C1]