

# TAE SOO KIM

taesoo.kim@kaist.ac.kr <https://taesookim.com>

## RESEARCH INTEREST

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I'm interested in the intersection of human-computer interaction (HCI) and natural language processing (NLP). I design interaction techniques that are driven by NLP models to enable users to perform tasks by (1) expressing themselves through natural language and (2) manipulating natural language artifacts.

## EDUCATION

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### KAIST

*Ph.D. in Computer Science*

*Advisor: Juho Kim*

**Mar 2022 - Present**

*Daejeon, South Korea*

### KAIST

*M.S. in Computer Science*

*Advisor: Juho Kim*

**Mar 2020 - Feb 2022**

*Daejeon, South Korea*

### KAIST

*B.S. in Computer Science (Magna Cum Laude)*

**Sep 2015 - Feb 2020**

*Daejeon, South Korea*

## PUBLICATIONS

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### 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

#### [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

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<b>Honorable Mention Award</b> <i>ACM CHI 2022</i>	<b>2022</b>
<b>Outstanding M.S. Thesis Award</b> <i>School of Computing, KAIST</i>	<b>2022</b>
<b>Special Recognition for Outstanding Reviews</b> <i>CHI 2022</i>	<b>2022</b>
<b>Dean's List</b> <i>School of Computing, KAIST</i>	<b>Spring 2018</b>

## TEACHING

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<b>Introduction to Human-Computer Interaction</b> <i>KAIST CS374, Instructor: Juho Kim</i>	<b>Spring 2021</b>
<b>Introduction to Social Computing</b> <i>KAIST CS473, Instructor: Juho Kim</i>	<b>Fall 2020</b>
<b>Scientific Writing</b> <i>KAIST CC500, Instructor: Mik Fanguy</i>	<b>Spring 2020</b> <b>Fall 2019</b>
<b>Introduction to Programming</b> <i>KAIST CS101</i>	<b>Fall 2018</b>

## ACADEMIC SERVICES

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### Reviewer

CHI 2022

CHI LBW 2021

CSCW 2020

### Student Volunteer

UIST 2021

## RESEARCH EXPERIENCE

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### 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]