

# Hyunwoo Kim

PH.D. STUDENT · COMPUTER SCIENCE

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## Education

### KAIST

PH.D. IN COMPUTER SCIENCE

- Advisor: Dr. Juho Kim

Daejeon, Republic of Korea

Aug 2019 - present

### KAIST

M.S. IN COMPUTER SCIENCE

- Advisor: Dr. Juho Kim

Daejeon, Republic of Korea

Sep 2017 - Aug 2019

### KAIST

B.S. IN CHEMISTRY & COMPUTER SCIENCE

- Magna Cum Laude

Daejeon, Republic of Korea

Mar 2013 - Aug 2017

## Publications

### JOURNAL & CONFERENCE PAPERS

Yoonseo Choi, Eunhye Kim, **Hyunwoo Kim**, Donghyun Park, Honggu Lee, Jin Young Kim, and Juho Kim. 2025. BloomIntent: Automating Search Evaluation with LLM-Generated Fine-Grained User Intents. In Proceedings of the 38th Annual ACM Symposium on User Interface Software and Technology (UIST '25). Association for Computing Machinery, New York, NY, USA, Article 177, 1–34. <https://doi.org/10.1145/3746059.3747677>

Eun Jeong Kang, Haesoo Kim, **Hyunwoo Kim**, Susan R. Fussell, and Juho Kim. 2025. Can Fans Build Parasocial Relationships through Idols' Simulated Voice Messages?: A Study of AI Private Call Users' Perceptions, Cognitions, and Behaviors. Proc. ACM Hum.-Comput. Interact. 9, 2, Article CSCW044 (May 2025), 31 pages. <https://doi.org/10.1145/3711111>

**Hyunwoo Kim**, Khanh Duy Le, Gionnieve Lim, Dae Hyun Kim, Yoo Jin Hong, and Juho Kim. 2024. DataDive: Supporting Readers' Contextualization of Statistical Statements with Data Exploration. In Proceedings of the 29th International Conference on Intelligent User Interfaces (IUI '24). Association for Computing Machinery, New York, NY, USA, 623–639. <https://doi.org/10.1145/3640543.3645155>

**Hyunwoo Kim**, Haesoo Kim, Kyung Je Jo, and Juho Kim. 2021. StarryThoughts: Facilitating Diverse Opinion Exploration on Social Issues. Proc. ACM Hum.-Comput. Interact. 5, CSCW1, Article 66 (April 2021), 29 pages. <https://doi.org/10.1145/3449140>

### EXTENDED ABSTRACTS & WORKSHOP PAPERS

**Hyunwoo Kim**, Yoonseo Choi, Taehyun Yang, Honggu Lee, Chaneon Park, Yongju Lee, Jin Young Kim, Juho Kim. 2024. Using LLMs to Investigate Correlations of Conversational Follow-up Queries with User Satisfaction. In LLM4Eval@SIGIR 2024 - The First Workshop on Large Language Models (LLMs) for Evaluation in Information Retrieval. <https://arxiv.org/abs/2407.13166>

Eun Jeong Kang, Haesoo Kim, **Hyunwoo Kim**, Juho Kim. 2023. When AI Meets the K-Pop culture: A case study of fans' perception of AI Private Call. AI Cultures — A NeurIPS 2022 Workshop

Taewook Kim, **Hyunwoo Kim**, Juho Kim, and Xiaojuan Ma. 2021. Improving Readers' Awareness of Divergent Viewpoints by Displaying Agendas of Comments in Online News Discussions. In Companion Publication of the 2021 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '21 Companion). Association for Computing Machinery, New York, NY, USA, 99–103. <https://doi.org/10.1145/3462204.3481761>

**Hyunwoo Kim**, Eun-Young Ko, Donghoon Han, Sung-Chul Lee, Simon T. Perrault, Jihee Kim, and Juho Kim. 2019. Crowdsourcing Perspectives on Public Policy from Stakeholders. In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19). Association for Computing Machinery, New York, NY, USA, Paper LBW1220, 1–6. <https://doi.org/10.1145/3290607.3312769>

## Industry Collaboration

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### NAVER Data & Analytics

PROJECT LEADER

2023 - 2025

- Designed a taxonomy of follow-up queries in conversational search based on user behaviors.
- Designed and developed a novel user-centric search evaluation framework using LLM-generated user intents.
- Designed user study protocols for evaluating user experience of multi-turn conversational search.

### Samsung SDS

PROJECT LEADER

2021 - 2022

- Developed a search log analysis system that identifies search sessions with unsatisfied search needs from behavioral patterns

## Teaching Experience

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Fall 2021 **CS473 Introduction to Social Computing**, Teaching Assistant

Fall 2020 **CS473 Introduction to Social Computing**, Teaching Assistant

Fall 2019 **CS473 Introduction to Social Computing**, Teaching Assistant

Fall 2017 **CS320 Programming Languages**, Teaching Assistant

## Mentoring

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2024 **Vedad Misirlic**, Visiting MS Student, Technical University of Graz

2024-2025 **Eunhye Kim**, Undergraduate Intern, Seoul National University

2024 **Taehyun Yang**, Undergraduate Intern, Seoul National University

2023 **Khanh Duy Le**, Undergraduate Intern, Ho Chi Minh University of Technology

2022-2023 **Yoojin Hong**, Undergraduate Intern, KAIST

2019-2020 **Haesoo Kim**, Undergraduate Intern, Seoul National University

2018 **Donghoon Han**, Undergraduate Intern, KAIST

## Awards, Fellowships, & Grants

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2014 - 2016 **GE Foundation Scholar-Leaders Program**, GE Foundation

2013 - 2017 **KAIST Presidential Fellowship**, KAIST

## Academic Services

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### PEER REVIEW

IUI 2026, CHI 2026, CSCW 2025, IUI 2025, CHI 2024 LBW, CHI 2023 Papers & LBW, CSCW 2023 July 2022 Submissions, CHI 2021 LBW, CSCW 2021 January 2021 Submissions & Posters, DIS 2021 Papers and Pictorials, CHI 2020 LBW, CSCW 2020 June 2020 Submissions, CHI 2019 LBW

STUDENT VOLUNTEER CSCW 2020

## References

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### Juho Kim

*Daejeon, South Korea*

ASSOCIATE PROFESSOR, SCHOOL OF COMPUTING, KAIST

- Email: juhokim@kaist.ac.kr
- Relationship: Ph. D. advisor

**Minsu Park***Abu Dhabi, United Arab Emirates*

ASSISTANT PROFESSOR OF SOCIAL RESEARCH AND PUBLIC POLICY, NEW YORK UNIVERSITY ABU  
DHABI

- Email: minsu.park@nyu.edu
- Relationship: Research collaborator

**Dae Hyun Kim***Seoul, South Korea*

ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, YONSEI  
UNIVERSITY

- Email: dhkim16@yonsei.ac.kr
- Relationship: Research collaborator