

Jaeyoon Song

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INTERESTS

Human-AI Interaction, Collaboration, Generative AI, Computational Social Science.

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA

Feb 2021 – Present

- Ph.D., Information Technology
- Advisor: Prof. Thomas W. Malone
- Grade: 5.0/5.0

Seoul National University, Seoul, South Korea

Mar 2016 – Feb 2021

- B.B.A., Business Administration
- Minor in Computer Science and Engineering
- Grade: Summa Cum Laude

PUBLICATIONS

JOURNAL & CONFERENCE PAPERS

- [1] J. Song, Z. Ashktorab, T. Malone, **Togedule: Adaptive Representation of Group Availability Using Large Language Models for Scheduling Meetings**, *Conditionally Accepted with Minor Revisions, CSCW 2025*.
- [2] J. Song, Z. Ashktorab, Q. Pan, C. Dugan, W. Geyer, T. Malone, **Interaction Configurations and Prompt Guidance in Conversational AI for Question Answering in Human-AI Teams**, *Conditionally Accepted with Minor Revisions, CSCW 2025*.
- [3] S. Park, J. Song, D. Karger, T. Malone, **Who2chat: A Social Networking System for Academic Researchers in Virtual Social Hours Enabling Coordinating, Overcoming Barriers and Social Signaling**, *ACM SIGCHI Conference on Computer-Supported Cooperative Work Social Computing (CSCW 2024)*.
- [4] J. Song, C. Riedl, T. Malone, **Online Mingling: Supporting Ad Hoc, Private Conversations at Virtual Conferences**, *ACM SIGCHI Conference on Human Factors in Computing Systems 2021 (CHI 2021)*.
- [5] S. Lee, J. Song, S. Park, J. Kim, J. Kim, E. Ko, **SolutionChat: Real-time Moderator Support for Chat-based Structured Discussion**, *ACM SIGCHI Conference on Human Factors in Computing Systems 2020 (CHI 2020)*.
- [6] D. Shin, J. Song, S. Song, J. Park, J. Lee, S. Jun, **TalkingBoogie: Collaborative Mobile AAC System for Non-verbal Children with Developmental Disabilities and Their Caregivers**, *ACM SIGCHI Conference on Human Factors in Computing Systems 2020 (CHI 2020)*.
- [7] J. Song and C. Kim, **What Is Needed for the Sustainable Success of Open Source Software Projects: Efficiency Analysis of Commit Production Process via Git**, *Sustainability*, vol. 10, no. 9, Aug 2018.

WORKING PAPERS

- [8] A. Campero*, M. Vaccaro*, J. Song, H. Wen, A. Almaatouq, T. Malone, **A Test for Evaluating Performance in Human-AI Systems**, *MIT Working Paper*, 2022.
- [9] **How Human-AI Synergy Changes as AI Technology Advances: A Case of Writing Short Stories**.
- [10] **Generative AI and the Future of Work: Behavioral Adaptation on Stack Overflow Post-ChatGPT**.
- [11] **Noteworthy: Leveraging Generative AI to Support the Note-Taking Process**.

POSTERS

- [12] J. Song*, K. Choe*, J. Jo, and J. Seo, **SoundGlance: Briefing the Glanceable Cues of Web Pages for Screen Reader Users**, *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2019 Late Breaking Work)*, ACM, New York, NY, USA, May 2019.

RESEARCH EXPERIENCE

- Research Intern**, Bosch Research Jun 2024 – Aug 2024
 - Project: Visual Analytics System for Understanding Model Performance in Videos: The Effects of Dynamic Factors
- Research Intern**, Kixlab, KAIST Dec 2018 – Aug 2019
 - Project: Real-time Moderator Support for Chat-based Structured Discussion
 - Advisor: Prof. Juho Kim
- Research Intern**, HCI Lab, Seoul National University Jun 2018 – Aug 2018
 - Project: Briefing the Glanceable Cues of Web Pages for Screen Reader Users
 - Advisor: Prof. Jinwook Seo

TEACHING EXPERIENCE

- Guest Lecture**, Seoul Institute of the Arts Nov 2023
 - Delivered a virtual seminar as an invited speaker via Zoom webinar.
 - Developed a design thinking workshop centered on conceptualizing a group scheduling tool.
- Graduate Teaching Assistant**, MIT CSAIL Sep 2022 – Dec 2022
 - Led recitations on web technologies (e.g., Vue.js, Node.js, MongoDB, and Socket.IO) for the 6.1040 Software Studio course.
 - Average Evaluation Rating: 6.0/7.0

AWARDS & HONORS

- Next Jump Innovation Prize**, MIT Web Lab Competition 2022
 - Built a 3rd place web service among 300+ MIT students; awarded \$3,500
- Special Recognition for Outstanding Reviews**, ACM CHI 2023 2022
 - Recognition for the paper reviews
- Gary Marsden Travel Award**, ACM SIGCHI 2022
 - Travel grant for attending UIST 2022

	Graduate School Fellowship , MIT Sloan School of Management <ul style="list-style-type: none"> Received full departmental funding for graduate studies 	2021 – Present
	Honorable Mention Award , ACM SIGCHI <ul style="list-style-type: none"> Recognized among the top 5% of paper submissions 	2020
	Yangyoung Foundation Scholarship , South Korea <ul style="list-style-type: none"> Awarded a merit-based scholarship during undergraduate studies 	2018 – 2020
	Samsung Convergence Software Course Scholarship , South Korea <ul style="list-style-type: none"> Earned a scholarship for successfully completing the Samsung Convergence Software Course 	2018
	Merit-based Scholarship , Seoul National University <ul style="list-style-type: none"> Received a merit-based scholarship during undergraduate studies. 	2016 – 2017
ACADEMIC SERVICE	Reviewer <ul style="list-style-type: none"> ACM CSCW ACM CHI 	2022, 2023, 2025 2023, 2024
MENTORSHIP	<ul style="list-style-type: none"> Arman Vossoughi, Undergraduate Student at Boston University Hongzun Zhang, Masters Student at Boston University Caitlin Ogoe, Undergraduate Student at MIT Alice Cai, Undergraduate Student at Harvard University Eve Silfanus, Undergraduate Student at Wellesley University Michelle Minsol Kim, Undergraduate Student at Wellesley University 	2024 – Present 2024 – Present 2022 – 2024 2021 – 2023 2021 – 2022 2021 – 2022
DOCTORAL COURSEWORK	<ul style="list-style-type: none"> Applied Machine Learning (6.862), MIT Quantitative Methods for Natural Language Processing (6.8610), MIT Advances in Computer Vision (6.869), MIT LLM Agents and Multi-Agent Systems (QST911), Boston University Research Seminar in IT and Organizations: Economic Perspectives (15.575), MIT Quantitative Research Methods (17.800), MIT 	
SKILLS	<ul style="list-style-type: none"> JavaScript (React.js, D3.js, React Native, Apollo.js, Express.js, ...) Python, R, Ruby on Rails, PostgreSQL, Prisma, Figma, \LaTeX Experiment design & Statistical methods (Clustering, Topic Modeling, ...) 	