Daeheon Jeong

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Research Interests   Human–AI Collaboration, AI Agent, Alignment, User Experience.

Education

KAIST	Daejeon, Republic of Korea
M.S. in Artificial Intelligence	Sep 2024 – Present
Sogang University	Seoul, Republic of Korea
B.A. in Economics *(Summa Cum Laude, Top 1.04%)*	Mar 2020 – Feb 2024
• Harvard Summer School, Cambridge, MA	Jun – Aug 2022

Publications

Conference Papers

[C1] **CANVAS: A Benchmark for Vision-Language Models on Tool-Based User Interface Design**
Daeheon Jeong*, Seoyeon Byun*, Kihoon Son, Dae Hyun Kim, Juho Kim.
Under Review at AAAI 2026.

[C2] **PlanTogether: Facilitating AI Application Planning Using Information Graphs and Large Language Models**
Dae Hyun Kim*, Daeheon Jeong*, Shakhnozakhon Yadgarova, Hyungyu Shin, Jinho Son, Hari Subramonyam, Juho Kim.
Proceedings of the CHI Conference on Human Factors in Computing Systems, ACM, May 2025.

Posters, Demos, and Workshops

[D1] **Visual Embedding of Screen Sequences for User-Flow Search in Example-driven Communication**
Daeheon Jeong* and Hyehyun Chu*.
Extended Abstracts of the CHI Conference on Human Factors in Computing Systems, ACM, May 2025.

[D2] **Spatial Screen Reader Using Touch Interface for Visually Impaired**
Daeheon Jeong, Yonghyun Kim, Jongha Park, Myungjae Cho.
Proceedings, Korea Software Congress 2022, pp. 1798–1800, Feb 2022.

[D3] **Auditory Map Generation Using Boundary Detection in a Web Environment**
Daeheon Jeong, Florian Reuting, Hwanki Jeong.
Proceedings of HCI Korea 2022 (Best Paper), pp. 869–871, Feb 2022.

Research Experience

KIXLAB, School of Computing, KAIST	Dec 2023 – Present
Student Researcher	
Advisors: Prof. Juho Kim, Prof. Dae Hyun Kim.	
Lifestyle Media Group, Art & Technology, Sogang University	Jan 2022 – Feb 2024
Student Researcher	
Advisor: Prof. Yongsoon Choi.	
Naver Labs, Naver Corporation	Jun – Dec 2023
Undergraduate Intern	

Advisors: Prof. Giseop Kim, Dr. Sunwook Choi.

Honors and Scholarships	**Student Research Grant**, Center for Convergence Education	Sep 2022 – Jun 2023
	Startup Grant, Yonsei Preliminary Start-up Competition	Mar 2023
	Alumni Scholarship, Sogang Alumni Foundation	Jun 2021 – Dec 2022
	Study Abroad Scholarship, DB Kim Jun Ki Cultural Foundation	Jun – Aug 2022
	Creative Award, HCI Korea 2022	Feb 2022

Industry Experience	**Naver Financial, Naver Corporation** Software Engineer Intern.	Jan 2023 – Mar 2023
	15th Special Missions Wing, Republic of Korea Air Force Military Police.	Mar 2018 – Feb 2020

Talks	**Exploring Usability Evaluation Methods Using LMM** Invited talk at Samsung Electronics.	Sep 2024

Patents

[P1] **Method and System for Providing a Visualization Interface to Monitor the Location of Autonomous Vehicles**
(names hidden), Daeheon Jeong.
K.R. Patent (number hidden), Filed Mar 2024.

[P2] **Exhibit Information Guide Device and Method**
Yongsoon Choi, Daeheon Jeong, Junki Min, Changhee Cho, Dongjun Lim, Siwon Jeon.
K.R. Patent 10-2024-0031793, Filed Mar 2024.

Services

Reviewer: CHI (2024), HRI (2024), DIS (2025), AAAI (2025).

Community service: Youth Group Teacher, Community Church   Jan 2023 – Present.

Skills

Machine Learning: Python, PyTorch, Ray.

Web Development: TypeScript, React.js, Three.js, D3.js, WebGL.

Miscellaneous: Figma, DaVinci Resolve, ROS, LaTeX.