

Kayoon Kim

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RESEARCH INTEREST	Human-AI Interaction, Social Agents, Responsible AI	
EDUCATION	University of Tübingen Tübingen, Germany	2023.10–2026.09
	M.S., Quantitative Data Science (<i>Concentration</i> : Machine Learning), GPA 1.88/1.0	
	Chung-Ang University Seoul, South Korea	2017–2023
	B.A. B.E., Sociology & Computer Science, GPA 4.13/4.5 & 3.96/4.5	
RESEARCH EXPERIENCE	Research Assistant , Robust ML Group @ ELLIS Institute Tübingen	2026
	• Extended the citation-verification benchmark with new model evaluations and experiments	
	Research Intern , Porsche Human-Centered AI Research	2025–2026
	• Conducted multi-agent simulation, online survey and topic modeling to identify decision space for multi-occupant autonomous vehicles to establish design guidelines	
	• Implemented LLM fine-tuning using human feedback data to enhance reasoning capabilities in real-world application	
	Research Intern , Bosch Research (BCAI)	2024
	• Developed Preferential Bayesian Optimization algorithms to optimize machinery settings by modeling expert human preferences	
	• Conducted synthetic bias experiments to identify cognitive biases and developed mitigation strategies for human-in-the-loop experimental design	
	Research Assistant , Methods Center	2023–2024
	• Developed a state-based model (Kalman Filter) using students' psychological data to predict dropouts in STEM fields, enhancing educational environments	
	Research Assistant , CAU Data Science Lab	2021
	• Explored recommendation systems by implementing and evaluating algorithms to enhance human decision-making	
	Research Assistant , HIKE Lab	2020–2021
	• COVID-19: Our Memory : Identified pandemic-driven social inequalities via text mining and statistical analysis; awarded Community Award among 320 participants	
	• Assessed policy efficacy, enhanced data visualization and presented at Open Data Day Seoul 2021; donated to the National Library of Korea as the first case of a non-governmental digital archive	
	Research Assistant , Da Move Lab	2020–2023
	• Constructed and analyzed dataset of South Korea's online petitions revealing embedded biases through text mining and NLP techniques	
	• Applied fine-tuned language model for sentiment analysis and regression modeling to identify structural limitations in civic engagement platforms	

PUBLICATIONS	Kim, K. ; Brendel, W.; and Reizinger, P. 2026. HALLMARK: How to Diagnose LLM Citation Verifiers and When to Deploy Them. <i>Under review</i> , In <i>ICLR 2027</i> .	
	Kim, K. ; Belz, J. H.; and Shirado, H. 2026. Between Plausible and Viable: How Designers and Their Managers Redesign Work Around AI That Performs It. <i>Work in Progress</i> .	
	Kim, K. ; and Suh, C. S. 2024. Mobilizing Grievances in the Internet Age: The Case of National Online Petitioning in South Korea, 2017–2022 . <i>PLOS ONE</i> , 19(5): e0302373.	
POSTERS	Kim, K. 2026. Four Passengers, One Decision: How LLM Agents Negotiate and Form Norms in a Shared Car. <i>Under review</i> , In <i>NeurIPS 2026 Social Agents Workshop</i> .	
	Belz, J. H.*; Kim, K. *; Rukzio, E.; and Grosse-Puppenthal, T. 2026. Sim-DSE: Mediating Multi-User Automations in Cars through Simulation-Augmented Decision Space Exploration . In <i>AutomotiveUI 2026 Adjunct</i> (Works in Progress), 94–99. (*Equal Contribution)	
	Kim, K. 2021. Claiming for Rights: The Changing Landscape of Issues and Claims in the National Petition of South Korea, 2017–2020. Poster presented at the International Postgraduate and Academic Conference.	
WORK EXPERIENCE	Data Quality Manager Intern , Kakao Style, South Korea	2023
	- Analyzed model prediction data and developed dashboards to enhance model accuracy and user experience - Designed and developed an automatic labeling model that streamlined the review text labeling processes, reducing manual effort by 50%	
HONORS & GRANTS	DAAD STIBET Scholarship , German Academic Exchange Service (DAAD)	2025
	Research Stipend , Porsche AG	2025–2026
	Research Grant , National Research Foundation of Korea	2024
	Merit-and-need-based Scholarship , Seoul Scholarship Foundation	2022
	Merit-and-need-based Scholarship , Lotte Scholarship Foundation	2021
	Community Award , Ministry of the Interior and Safety, South Korea	2020
	National Scholarship , Korea Student Aid Foundation	2017–2021
SERVICE	Reviewer	
	Interactive Media Experiences (IMX)	2026
	Organization	
	Participant, EAAMO Urban Data Science Working Group	2025–2026
	Communication Chair Volunteer, Tübingen Women in Machine Learning	2025
	Content Creator Volunteer, Soapbox Science Tübingen	2025
	Guest Speaker, Introduction to Sociology, Chung-Ang University	2022
	Academic Advisor, COSADAMA	2020–2021
SKILLS	Language English (Full professional proficiency), Korean (Native)	
	Programming and Development	
	Python, R, C, SPSS, MySQL, PyTorch, BoTorch, Autogen, Model Context Protocol, Git, Linux	