

Jeongwoo Ryu

HUMAN-AI INTERACTION · NATURAL LANGUAGE PROCESSING · INFORMATION RETRIEVAL

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Research Interest

Human-AI Interaction (HAI)

HOW AI-MEDIATED ENVIRONMENTS SHAPE HUMAN JUDGMENT AND DECISION-MAKING

- Trust, cognitive bias, and psychological ownership in human-AI collaboration
- Designing conversational AI that supports reflective deliberation

Natural Language Processing (NLP)

BEHAVIORAL DYNAMICS OF LARGE LANGUAGE MODEL OUTPUTS

- Sycophancy and face-work in LLM-mediated moral deliberation
- Implicit stance and framing effects in retrieval-augmented generation

Generative Information Retrieval (GenIR)

HUMAN FACTORS IN GENERATIVE INFORMATION RETRIEVAL

- Authorship perception and the IKEA effect in AI-assisted search
- Selective exposure mitigation through multi-agent argument systems

Education

Seoul National University

Seoul, Korea

PH.D. CANDIDATE

Mar. 2021 - Aug. 2026

- Dept. of Intelligence and Information @ GSCST
- Human Centered Computing Laboratory (HCCLab)
- Research Area: Human-AI Interaction (HAI), Natural Language Processing (NLP), Information Retrieval (IR)
- Thesis: *Silent Nudges, Salient Shifts: How AI Subtly Shapes Human Perception and Judgment*
- Advisor: Prof. Bongwon Suh

Seoul National University

Seoul, Korea

M.S. IN ENGINEERING

Mar. 2014 - Feb. 2016

- Dept. of Digital Contents and Information Studies @ GSCST
- Human Centered Computing Laboratory (HCCLab)
- Research Area: Human Computer Interaction (HCI), Social Computing, Data Science, Big Data
- Thesis: *A Quantitative Study on the Television Viewing Patterns Using People Meter Data*
- Advisor: Prof. Bongwon Suh

Yonsei University, Information and Industrial Engineering

Seoul, Korea

B.S. IN INDUSTRIAL ENGINEERING

Mar. 2007 - Feb. 2014

- Advisor: Prof. Heejun Park

Experience

pxd, Inc.

Seoul, South Korea

DATA SCIENTIST & UX RESEARCHER

Jan. 2019 - Dec. 2020

- Implemented data-driven UX strategies through comprehensive user behavior analysis of log data
- Collaborated with high-profile clients including Hyundai Genesis, KB Securities, Kurly, and Lotte Capital

Doongle, Inc.

Seoul, South Korea

DATA SCIENTIST

Sep. 2017 - Oct. 2018

- Conducted in-depth analysis of social data from the company's application
- Engineered and deployed a sophisticated user recommender system
- Led research on cross-demographic user interactions within the platform

SBS (Seoul Broadcasting System) Project

Seoul, South Korea

DATA SCIENTIST

Mar. 2017 - May 2017

- Leveraged Nielsen Media Research Korea datasets for comprehensive viewership analysis
- Identified key individual viewers influencing overall TV ratings
- Conducted root cause analysis on the recent decline in SBS news viewership

Fount Co., Ltd.

Seoul, South Korea

ALGORITHM & DATA SCIENCE SPECIALIST

Mar. 2016 - Dec. 2016

- Played a key role in developing a robo-advisor core engine as part of a specialized task force
- Contributed to Shinhan Card's artificial intelligence (AI) initiative
- Conceptualized and implemented 'NewsCloud' - an innovative word cloud system visualizing key financial news trends

LG Electronics Project

Pyeongtaek, South Korea

RESEARCH ASSISTANT & DATA SCIENTIST

Sep. 2015 - Feb. 2016

- Developed a custom stepper log parser for efficient raw data processing
- Identified critical correlations between variables during production line malfunctions

Honors & Awards

Annual Meeting of the Association for Computational Linguistics

BEST PAPER AWARD CANDIDATE

2026

Seoul National University

MERIT-BASED SCHOLARSHIPS

5 Semesters

Yonsei University

THE HIGHEST HONORS

2013

Selected Publications

Ryu, J., Kim, S., Eun, J., Kim, K., Oh, C., & Suh, B. (2026). Feeling Right vs. Being Right: How AI Sycophancy Affects Value-Laden Deliberation. *Proceedings of the 64th Annual Meeting of the Association for Computational Linguistics (ACL 2026)*.

Ryu, J., Kim, K., Kim, S., Eun, J., Oh, C., & Suh, B. (2026). Mine over Yours: How Authorship Biases Evaluation in Generative Information Retrieval. *Proceedings of the 49th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2026)*.

Ryu, J.*, Kim, K.*, Heo, D., Song, H., Oh, C., & Suh, B. (2025). Cinema Multiverse Lounge: Enhancing Film Appreciation via Multi-Agent Conversations. *Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems (CHI 2025)*.

Kim, K.*, **Ryu, J.***, Jeon, H., & Suh, B. (2025). Blinded by Context: Unveiling the Halo Effect of MLLM in AI Hiring. *Findings of the Association for Computational Linguistics: ACL 2025*.

Kim, K.*, **Ryu, J.***, Heo, D., Song, H., Oh, C., & Suh, B. (2025). Conversational Argument Search Under Selective Exposure: Strategies for Balanced Perspective Access. *Proceedings of the 48th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2025)*.

Kim, K., Jeon, H., **Ryu, J.**, & Suh, B. (2024). Will LLMs Sink or Swim? Exploring Decision-Making Under Pressure. *Findings of the Association for Computational Linguistics: EMNLP 2024*.

* denotes equal contribution.

Technical Skills & Expertise

Programming	Python, R, Go, TypeScript, SQL
Frameworks & Tools	PyTorch, HuggingFace Transformers, LangChain, vLLM, Docker
Platforms	AWS/GCP, Langfuse
Languages	Korean (Native), English (Intermediate), Japanese (Intermediate)

References

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