

Jeongwoo Ryu

Postdoctoral Researcher, SNU Center for AI Education and Research, Seoul National University

Human-Centered AI NLP / IR / HCI

✉ jeongwoo.phd@gmail.com | 🏠 jeongwoo-ryu.net | 🌐 jeongwooryu

Research Interests

I study **Human-Centered AI** at the intersection of NLP, IR, and HCI. My research examines how AI shapes human cognition and behavior, with the goal of improving models and systems to strengthen human capabilities and support responsible and safe use.

Human-AI Interaction

Understanding how AI interactions shape human cognition, judgment, and collaborative performance.

Model Evaluation & Alignment

Evaluating model capabilities and behavior, and developing approaches to align AI systems with human goals and needs.

Responsible & Safe AI

Identifying and mitigating AI risks to support human agency and responsible, safe development and use.

AI Sycophancy

Authorship Bias

AI Alignment

Selective Exposure

Generative Information Retrieval

Collaborative Intelligence

Productivity

Reasoning

Agent Harnesses

Human Agency

AI Safety

Education

Seoul National University

Ph.D. in Engineering

Mar. 2021 - Aug. 2026

Seoul, Korea

- 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

M.S. in Engineering

Mar. 2014 - Feb. 2016

Seoul, Korea

- 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

B.S. in Engineering

Mar. 2007 - Feb. 2014

Seoul, Korea

- Dept. of Information and Industrial Engineering
- Major: Industrial Engineering (Advanced Program)
- GPA: 3.57 / 4.3

Professional Experience

SNU Center for AI Education and Research, Seoul National University
Postdoctoral Researcher

Sep. 2026 - Present
Seoul, South Korea

pxd, Inc.
Data Scientist & UX Researcher

Jan. 2019 - Dec. 2020
Seoul, South Korea

- 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.
Data Scientist

Sep. 2017 - Oct. 2018
Seoul, South Korea

- 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

Fount Co., Ltd.
Algorithm & Data Science Specialist

Mar. 2016 - Dec. 2016
Seoul, South Korea

- 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

Samsung Research Institute of Finance
Internship

Dec. 2008 - Feb. 2009
Seoul, South Korea

- Provided research support to senior team members and actively contributed to strategic team meetings

Research & Project Experience

SBS (Seoul Broadcasting System) Project
Data Scientist

Mar. 2017 - May 2017
Seoul, South Korea

- 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

LG Electronics Project
Research Assistant & Data Scientist

Sep. 2015 - Feb. 2016
Pyeongtaek, South Korea

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

Selected Publications

★ **Mine over Yours: How Authorship Biases Evaluation in Generative Information Retrieval**
Ryu, J., Kim, K., Kim, S., Eun, J., Oh, C., & Suh, B. (2026).
SIGIR '26: Proceedings of the 49th International ACM SIGIR Conference on Research and Development in Information Retrieval.

★ **Feeling Right vs. Being Right: How AI Sycophancy Affects Value-Laden Deliberation**
Ryu, J., Kim, S., Eun, J., Kim, K., Oh, C., & Suh, B. (2026).
ACL '26: Proceedings of the 64th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers).

Cinema Multiverse Lounge: Enhancing Film Appreciation via Multi-Agent Conversations
Ryu, J.*, Kim, K.*, Heo, D., Song, H., Oh, C., & Suh, B. (2025).
CHI '25: Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems.

★ **Blinded by Context: Unveiling the Halo Effect of MLLM in AI Hiring**
Kim, K.*, Ryu, J.*, Jeon, H., & Suh, B. (2025).
ACL '25: Findings of the Association for Computational Linguistics.

★ **Conversational Argument Search Under Selective Exposure: Strategies for Balanced Perspective Access**
Kim, K.*, Ryu, J.*, Heo, D., Song, H., Oh, C., & Suh, B. (2025).
SIGIR '25: Proceedings of the 48th International ACM SIGIR Conference on Research and Development in Information Retrieval.

Will LLMs Sink or Swim? Exploring Decision-Making Under Pressure
Kim, K., Jeon, H., Ryu, J., & Suh, B. (2024).
EMNLP '24: Findings of the Association for Computational Linguistics.

★ Representative publications * 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

Bongwon Suh, Professor
Graduate School of Convergence Science and Technology, Seoul National University
bongwon@snu.ac.kr