Seungbeen Lee

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Research Interest

I truly believe that robots with sophisticated design can fulfill the **basic social needs** of the human. Based on my psychological background and multimodal interest, I want to do **scalable** HRI research which can contribute to **attractiveness** of social agents.

Education

2023-*   **M.S** (Integrated Course), AI, Yonsei University (Advisor: Youngjae Yu)
2018-2023   **B.A**, Psychology and Economics, Yonsei University

Publications

Google Scholar
† → Equal contribution

Conference Proceedings

C1.   Lim, S., **Lee, Seungbeen**, Min, D. & Yu, Y. *Persona Dynamics: Unveiling the Impact of Personality Traits on Agents in Text-Based Games* in (2025). https://arxiv.org/abs/2504.06868.

C2.   Yousefpour, A., Kim, T., Kwon, R. S., **Lee, Seungbeen**, Jeung, W., Han, S., Wan, A., Ngan, H., Yu, Y. & Choi, J. *Representation Bending for Large Language Model Safety* in (2025). https://arxiv.org/abs/2504.01550.

C3.   Chung, J., Lim, S., Jeon, J., **Seungbeen Lee** & Yu, Y. *Can visual language models resolve textual ambiguity with visual cues? Let visual puns tell you!* in (2024). arXiv: 2410.01023 [cs.CV]. https://arxiv.org/abs/2410.01023.

C4.   Lee, S., Kim, S., Kim, M., Kang, D., Yang, D., Kim, H., Kang, M., Jung, D., Kim, M. H., **Seungbeen Lee**, Chung, K.-M., Yu, Y., Lee, D. & Yeo, J. *Cactus: Towards Psychological Counseling Conversations using Cognitive Behavioral Theory* in (2024). arXiv: 2407.03103 [cs.CL]. https://arxiv.org/abs/2407.03103.

C5.   **Lee, Seungbeen**, Lim, S., Han, S., Oh, G., Chae, H., Chung, J., Kim, M., Kwak, B.-w., Lee, Y., Lee, D., *et al. Do LLMs have distinct and consistent personality? trait: Personality testset designed for llms with psychometrics* in (2024). https://arxiv.org/abs/2406.14703.

Working papers

W1.   Seo, W., Han, S., Jung, J., Newman, B., Lim, S., **Seungbeen Lee**, Lu, X., Choi, Y. & Yu, Y. *Verifying the Verifiers: Unveiling Pitfalls and Potentials in Fact Verifiers* 2025.

W2. **Seungbeen Lee**, Jeong, J., Kim, D., Son, Y. & Yu, Y. *Connecting the Dots from Data: LLM-driven Tree-search Career Cartographies of Career Pathways as Your AI Career Explorer* 2025.

W3. **Seungbeen Lee**, Jeong, J., Kim, D., Son, Y. & Yu, Y. *Mind the Motions: Benchmarking Theory-of-Mind in Everyday Body Language* 2025.

Selected Media Coverage

2025   ScienceNews, Are AI chatbot 'personalities' in the eye of the beholder?

Teaching

Assistant Instructor

2025   Multimodal Deep Learning (AAI5010) (Prof. Youngjae Yu)
2024   Introduction to AI Research (CCO2105) (Prof. Youngwoon Lee)

Other Experience

2020   HR Internship., Human Metrics, Seoul (Human Intelligence Evaluation)

Last updated: May 22, 2025