

Yoonwon Jung

Curriculum Vitae

9500 Gilman Dr. La Jolla, CA 92093 | y5jung@ucsd.edu | [website](#)

RESEARCH INTERESTS

Language, Emotion, Human-Robot Interaction

EDUCATION

Ph.D. Cognitive Science 2023 – 2028 (Expected)
UC San Diego California, USA

Advisor: Benjamin Bergen, Ph.D.

M.A. Psychology 2020 – 2022
Seoul National University Seoul, Korea

Advisor: Sowon Hahn, Ph.D.

Thesis: “Social robots as companions for lonely hearts: The role of anthropomorphism and robot appearances”

B.A. Psychology 2016 – 2020
Seoul National University Seoul, Korea

Summa Cum Laude

Departmental First-Class Distinction (1/31)

Exchange Student Fall 2018
Boston College Massachusetts, USA

PUBLICATIONS

Journal Articles

Kim, JW., **Jung, Y.**, Lee, YK., & Hahn, S. (2023). The relationship between perspective-taking ability and psychological and emotional characteristics observed in a large emotion diary dataset: A cluster analysis. *Korean Journal of Health Psychology*, 28(1), 1-25, 10.17315/kjhp.2023.28.1.001. [\[pdf\]](#)

Conference Proceedings

Jung, Y., & Hahn, S. (2023). Social Robots As Companions for Lonely Hearts: The Role of Anthropomorphism and Robot Appearance. *2023 32nd IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*, 2520–2525. <https://doi.org/10.1109/RO-MAN57019.2023.10309617>.

Lee YK., **Jung, Y.**, Kang, K., & Hahn, S. (2023). Developing Social Robots with Empathetic Non-Verbal Cues Using Large Language Models. Late Breaking Report in *2023 32nd IEEE International Conference on Robot and Human Interactive Communication (RO-MAN 2023)*. [\[pdf\]](#)

Jung, Y., Lee, YK., & Hahn, S. (2021). Web-scraping the Expression of Loneliness during COVID-19. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 43. <https://escholarship.org/uc/item/53m546pq>.

Lee, YK., **Jung, Y.**, Lee, I., Park, JE., & Hahn, S. (2021). Building a Psychological Ground Truth Dataset with Empathy and Theory-of-Mind During the COVID-19 Pandemic. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 43. <https://escholarship.org/uc/item/950900w7>.

Unpublished Manuscripts

Jung, Y., Jung, S. & Hahn, S. The Effect of Emotional Clarity on Mental Health: The Mediating Role of Catastrophizing. [In prep].

Jung, Y., Lee, Y. & Hahn, S. Age and gender differences in loneliness during the COVID-19: Analyses on large cross-sectional surveys and emotion diaries. [Unpublished manuscript]. PsyArXiv. [\[pdf\]](#)

Lee, YK., Lee, I., Park, J. E., **Jung, Y.**, Kim, J., & Hahn, S. A Computational Approach to Measure Empathy and Theory-of-Mind from Written Texts. [Unpublished manuscript]. arXiv:2108.11810. [\[pdf\]](#)

CONFERENCE PRESENTATIONS AND WORKSHOPS

Oral Presentations

[Presenter] **Jung, Y.**, & Hahn, S. (2023). Social robots as companions for lonely hearts: The role of anthropomorphism and robot appearance. *2023 32nd IEEE International Conference on Robot and Human Interactive Communication (RO-MAN 2023)*. Busan, Republic of Korea.

Poster Presentations

[Presenter] Lee YK., **Jung, Y.**, Kang, K., & Hahn, S. (2023). Developing Social Robots with Empathetic Non-Verbal Cues Using Large Language Models. *2023 32nd IEEE International Conference on Robot and Human Interactive Communication (RO-MAN 2023)*. Busan, Republic of Korea. [\[pdf\]](#)

[Presenter] **Jung, Y.**, Jung, S., Hahn, S. (2023). The effect of emotional clarity on mental health: the role of emotion regulation. *The 13th International Conference on Cognitive Science*. Seoul, Republic of Korea. [\[pdf\]](#)

[Presenter] **Jung, Y.**, Lee, YK., & Hahn, S. (2021). Age and gender differences in loneliness during the COVID-19: Analyses on large cross-sectional surveys and emotion diaries. *The Annual Conference of Korean Cognitive Science Society*, Seoul, Republic of Korea (Virtual). [\[pdf\]](#)

[Presenter] **Jung, Y.**, Lee, YK., & Hahn, S. (2021). Web-scraping the Expression of Loneliness during COVID-19. *The 42nd Annual Meeting of the Cognitive Science Society*, Vienna, Austria (Virtual). [\[pdf\]](#)

Lee, YK., **Jung, Y.**, Lee, I., Park, JE., & Hahn, S. (2021). Building a Psychological Ground Truth Dataset with Empathy and Theory-of-Mind During the COVID-19 Pandemic. *The 42nd Annual Meeting of the Cognitive Science Society*, Vienna, Austria (Virtual).

Workshops

[Organizer] **Large Language Models in the RoMan Age: Exploring Social Impact and Implications for Design and Ethics**, Workshop in *2024 33rd IEEE International Conference on Robot and Human Interactive Communication (ROMAN)*. Pasadena, USA. [accepted]

TALKS

Social Robots as Companions for Lonely Hearts: The Role of Anthropomorphism and Robot Appearance, *Invited talk at the Cogsci 2023 Seoul Local Meetup*. Jul. 2023. Virtual. [\[link\]](#)

Web-scraping & Topic Models, *Open Lab Talk by Human Factors Psychology Lab (Seoul National University)*. Aug. 2021. Virtual. [\[link\]](#)

Loneliness & Web-scraping, *Open Lab Talk by Human Factors Psychology Lab (Seoul National University)*. Jan. 2021. Virtual. [\[link\]](#)

FELLOWSHIPS AND GRANTS

Fellowship for Overseas Ph.D. students, KFAS (Korea Foundation for Advanced Studies). 2023 – 2028 (Expected). \$13,000/year

Fellowship for Overseas Ph.D. program applicants, KFAS (Korea Foundation for Advanced Studies). 2022-2023. 5,000,000 won (\$5000)

SNU Social Sciences Research Grant for Graduate Students, Seoul National University. 2021. 3,000,000 won (\$3,000)

Social Science Research Grant for Undergraduates, Seoul National University. 2019. 1,500,000 won (\$1,500)

Special Research Grant for Undergraduates: Exploration on Value and Practice, Seoul National University. 2019. 3,000,000 won (\$3,000)

AWARDS AND SCHOLARSHIPS

Graduate Scholarship for Academic Excellence (Biannual), Seoul National University. Spring 2021.

Summa Cum Laude, Departmental First-Class Distinction(1/31), Seoul National University. 2020.

Undergraduate Scholarship for Academic Excellence (Annual), Yongin Human Resources Development Foundation. 2016, 2017, 2019

Undergraduate Scholarship for Academic Excellence (Biannual), Seoul National University. Spring 2016, Fall 2016, Spring 2017, Spring 2018.

GRADUATE RESEARCH EXPERIENCE

Language and Cognition Lab (PI: Benjamin Bergen, Ph.D.) UC San Diego, 2023 – Present.

- i. Started a project on cultural diversities in emotion word semantics

Human Factors Psychology Lab (PI: Sowon Hahn, Ph.D.) Seoul National University, 2020 - 2023

- i. Launched and led three collaborative projects

The effect of promoting higher emotional clarity on neuroticism and well-being: the mediating effect of emotion regulation. Jul. 2022 – Present.

Age and gender differences in loneliness during COVID-19: Analyses on large cross-sectional surveys and emotion diaries. Apr. 2021 – Aug. 2022.

Web-scraping the Expression of Loneliness during COVID-19. Nov. 2020 – Jul. 2021.

- ii. Participated in three funded research projects

SNU Diversity Council 2030 Development Plan Establishment Study, Seoul National University Diversity Council. Oct. 2021 – Feb. 2022.

- Evaluated shortcomings of current Seoul National University diversity policies and investigated examples of the strong diversity policies, which laid a foundation for designing the future 10-year diversity policy of Seoul National University

AI-based Online Personal Psychological Monitoring & Management System. Seoul Business Agency, Dec. 2020 – Feb. 2022.

- Developed CBT (Cognitive-Behavioral Therapy) and RT (Reality Therapy) based human-chatbot dialogue flows
- Built approx. 1000 training datapoints for training chatbot model

COVID-19 Psychological-Aid Dataset: Implications of Psychological Theory of Personality, Empathy, and Loneliness. *Kdata*, Sep. 2020 – Dec. 2020.

- Participated in designing and collecting the dataset that consists of 7,000 responses on psychological variables and 30,000 diary entries
- Designed and led 8 workshop sessions to instruct the data labelers on how to label theory-of-mind levels of the sentences from the given text data
- Inspected approx. 8000 labeled text entries to ensure the accuracy of the sentence-level labels

TEACHING EXPERIENCE

[Teaching Assistant] **Hands on Computing**, *UC San Diego*. Winter 2024.

[Teaching Assistant] **Introduction to Psychology**, *Seoul National University*. Spring 2021.

WORK EXPERIENCE

[Editorial Secretary] **Korean Journal of Cognitive Science**, *The Korean Society for Cognitive Science*. Jan. 2022 – Jan. 2023.

- Managed the journal’s review and quarterly publication processes

[Intern] **C.lab (Startup Incubation Program)**, *Samsung Electronics*. Jun. 2019 – Aug. 2019.

- Worked for HAXBY (AI-based math learning assisting application) team
 - Designed the user experience (UX) of application pages providing math assistance and user analysis results for better usability for both students and teachers
 - Assisted in-person user test with a prototype and analyzed the limitations of the current functions and designs of the app

SKILLS

Language

Korean Native proficiency

English Full professional proficiency (GRE: V163/Q170/W4.5)

Programming & Data Analysis

Python Preprocessing (pandas, numpy, nltk, spaCy), Web-scraping (BeautifulSoup, selenium, requests), Machine learning & Deep learning (gensim, pytorch, huggingface), Visualization (matplotlib)

R Preprocessing (dplyr), Statistical analyses (psych, sem), Visualization (ggplot2)

REFERENCES

Benjamin Bergen, Ph.D. Ph.D. Advisor bkbergen@ucsd.edu

Department of Cognitive Science, UC San Diego, California, USA.

Sowon Hahn, Ph.D. Master’s Advisor swhahn@snu.ac.kr

Department of Psychology, Seoul National University, Seoul, Republic of Korea.