

# Yoonwon Jung

Curriculum Vitae

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

## RESEARCH INTERESTS

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Language, Emotion, Human-Robot Interaction

## EDUCATION

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**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

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### 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 32<sup>nd</sup> 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 32<sup>nd</sup> IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*. [\[pdf\]](#)

**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## Unpublished Manuscripts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. [Under Review].

**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

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### Oral Presentations

[Presenter] **Jung, Y.**, & Hahn, S. (2023). Social robots as companions for lonely hearts: The role of anthropomorphism and robot appearance. *2023 32<sup>nd</sup> IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*. 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 32<sup>nd</sup> IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*. 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 13<sup>th</sup> 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 42<sup>nd</sup> 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 42<sup>nd</sup> Annual Meeting of the Cognitive Science Society*, Vienna, Austria (Virtual).

### Workshops

[Co-Organizer] Large Language Models in the RoMan Age: Exploring Social Impact and Implications for Design and Ethics. (2024). Workshop in *2024 33<sup>rd</sup> IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*. Pasadena, USA.

## TALKS

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**Incorporating Large Language Models in Robotic Systems: The Current Challenges and Opportunities in Human-Robot Interaction**, Extended Abstract Presentation at *Large Language Models in the RoMan Age: Exploring Social Impact and Implications for Design and Ethics* workshop in *2024 33<sup>rd</sup> IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)*. Pasadena, USA.

**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

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

**Fellowship for International 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

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**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, 2018, 2019

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

## TEACHING EXPERIENCE

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[Teaching Assistant] **Large Language Models and Cognitive Science**, *UC San Diego*. Spring 2025.

[Teaching Assistant] **Bilingual Minds and Brains**, *UC San Diego*. Winter 2025.

[Teaching Assistant] **Introduction to Cognitive Science**, *UC San Diego*. Spring-Fall 2024.

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

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

## WORK EXPERIENCE

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[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 process

[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

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### 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), Visualization (matplotlib), Building experiments (Psychopy)

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

## REFERENCES

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**Benjamin Bergen, Ph.D.**      **Ph.D. Advisor**      [bkbergen@ucsd.edu](mailto:bkbergen@ucsd.edu)

Department of Cognitive Science, UC San Diego, La Jolla, CA, USA.

**Sowon Hahn, Ph.D.**      **Master's Advisor**      [swhahn@snu.ac.kr](mailto:swhahn@snu.ac.kr)

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