

Yoonwon Jung

Curriculum Vitae

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RESEARCH INTERESTS

Cognitive Science, Affective Psychology, Computational Linguistics, Human-Computer Interaction

EDUCATION

Ph.D. Cognitive Science 2023 – 2028 (Expected)
University of California San Diego *California, USA*
Advisor: Benjamin Bergen, Ph.D.

M.A. Cognitive 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.

Conference Proceedings

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

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Unpublished Manuscripts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

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**Jung, Y.**, Kim, J., & Hahn, S. A Computational Approach to Measure Empathy and Theory-of-Mind from Written Texts [Unpublished manuscript].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. [\[preprint\]](#)

CONFERENCE PRESENTATIONS

Poster Presentations

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*, Virtual Conference. [\[pdf\]](#)

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*, Virtual Conference.

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*, Virtual Conference.

AWARDS AND SCHOLARSHIPS

Overseas PhD Scholarship Program Candidate <i>KFAS (Korea Foundation for Advanced Studies)</i>	Aug. 2022 – Present
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Graduate Scholarship for Academic Excellence Recipient <i>Seoul National University</i>	Spring 2021
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Summa Cum Laude, Departmental First-Class Distinction (1/31) <i>Seoul National University</i>	2020
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Undergraduate Scholarship for Academic Excellence Recipient <i>Yongin Human Resources Development Foundation</i>	2016 – 2019
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Undergraduate Scholarship for Academic Excellence Recipient <i>Seoul National University</i>	Spring 2016 – Spring 2018
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FUNDING AND GRANTS

SNU Social Sciences Research Grant for Graduate Students <i>Seoul National University</i>	2021
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Title: “The effect of robot appearance on the relationship between loneliness and anthropomorphism: The difference between state and trait loneliness.”

Grant amount: 3,000,000 won (\$3600)

Social Science Research Grant for Undergraduates <i>Seoul National University</i>	2019
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Title: “The effect of extraversion on vulnerability to loneliness: Moderating effects of basal loneliness level.”

Grant amount: 1,500,000 won (\$1800)

Special Program for Exploration on Value and Practice <i>Seoul National University</i>	2019
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Title: “Relationship-seeking of Korean young adults: On the difference between evaluating self and others.”

Grant amount: 3,000,000 won (\$3600)

GRADUATE RESEARCH EXPERIENCE

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

i. Launched and led three collaborative projects and produced papers for publication

The effect of promoting higher emotional granularity on neuroticism: the mediating effect of emotion regulation Jul. 2022 – Present

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

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

ii. Participated in four funded projects

Smart-Aging Avatars: Research on Intelligent Biofeedback and Visualized Human-AI Interaction Technologies. Sep. 2021 – Aug. 2022
Seoul National University

- Designed the pilot study on giving AI-generated feedback on walking posture and speed using CLOVA AI voice generator, gaining insight on user-preferred feedback

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

- Evaluated shortcomings of current diversity policies and investigated examples of the strong policies, laying the foundations for designing a 10-year diversity policy for Seoul National University

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

- Developed CBT(Cognitive-Behavioral Therapy) and RT(Reality Therapy) based human-chatbot dialogue flows for the psychologically monitoring chatbot
- Built approx. 1000 training data for the chatbot

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

- Participated in designing the dataset by selecting psychological variables and types of texts to be collected to reflect the psychological state of Koreans during COVID-19
- Designed and led eight workshop sessions to instruct potential labelers on the criteria of how to label theory-of-mind levels from the texts written by other people
- Inspected approx. 8000 text entries to ensure the accuracy of theory-of-mind labels

UNDERGRADUATE RESEARCH EXPERIENCE

Human Factors Psychology Lab (PI: Sowon Hahn, Ph.D.) Fall 2019 - Summer 2020
Seoul National University

- Conducted literature reviews on factors affecting trust in Human-AI interactions
- Preprocessed data for statistical analyses using Excel and R

Social Psychology Lab (PI: Incheol Choi, Ph.D.)

Fall 2019 - Spring 2020

Seoul National University

- Conducted literature reviews on the relationship among interest, enjoyment, and competence

TEACHING EXPERIENCE

Introduction to Psychology (in English, Virtual)

Teaching Assistant

Spring 2021

Seoul National University

- Led weekly group discussions and workshops
- Graded essays and exam responses of 80 students

WORK EXPERIENCE

The Korean Society for Cognitive Science

Editorial Secretary

Jan. 2022 - Present

Korean Journal of Cognitive Science

- Managed the journal's review and quarterly publication processes

Samsung Electronics

Intern

Summer 2019

HAXBY team (AI-based math learning assisting application), C.lab (Startup Incubation Program)

- Designed and implemented an online-based survey on math tutoring experience and gained insight on how to build a better tutoring application
- Assisted in-person user test with a prototype and analyzed the limitations of the current functions and designs of the app
- Designed the user experience (UX) of application pages providing math assistance and user analysis results for better usability for both students and teachers

TALKS AND WORKSHOPS

Web-scraping & Topic Models [\[link\]](#)

Aug. 2021

Open Lab Talk hosted by Human Factors Psychology Lab (Seoul National University)

Loneliness & Web-scraping [\[link\]](#)

Jan. 2021

Open Lab Talk hosted by Human Factors Psychology Lab (Seoul National University)

SKILLS

Language

Korean
English

Native proficiency

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

Programming

Python

Preprocessing (pandas, numpy, nltk, spaCy)

Web-scraping (BeautifulSoup, selenium, requests)

Machine Learning (gensim, pytorch, huggingface)

Visualization (matplotlib)

R

Data Preprocessing (dplyr)

Statistical Analyses (psych, sem)

Visualization (ggplot2)