Yoonwon Jung

Curriculum Vitae
1 Gwanak-ro, Gwanak-gu, Seoul, Republic of Korea 08826
ywjung@snu.ac.kr

RESEARCH INTERESTS

Cognitive Science, Affective Psychology, Affective Computing, Human-Computer Interaction, Natural Language Processing for Psychological Research

EDUCATION

M.A. Cognitive Psychology   2020 – 2022
Seoul National University   *Seoul, Korea*
    Committee: Cheongtag Kim (chair), Kawon Kim, Sowon Hahn
    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.

Unpublished Manuscripts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. [PsyArXiv]

Jung, Y., & Hahn, S. Social robots as companions for lonely hearts: The role of anthropomorphism and robot appearances [Under Review].

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**Jung, Y**., Kim, J., & Hahn, S. A Computational Approach to Measure Empathy and Theory-of-Mind from Written Texts [Unpublished manuscript].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

Conference Proceedings

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. *Acceptance rate: 20.4%.*

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. *Acceptance rate: 20.4%.*

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*, Seoul, Republic of Korea. [pdf]

GRADUATE RESEARCH EXPERIENCE

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

i. Launched a project in collaboration with another lab (Social Psychology Lab, PI: Incheol Choi)

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

ii. Launched and led two collaborative projects and produced papers for publication

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

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

iii. 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
- Participated in weekly journal clubs and lab meetings

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
- Participated in journal clubs and lab meetings

TEACHING EXPERIENCE

Introduction to Psychology (in English, online-based)   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 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

AWARDS AND SCHOLARSHIPS

Overseas PhD Scholarship Program Candidate   Aug. 2022 –Present
KFAS (Korea Foundation for Advanced Studies)

Graduate Scholarship for Academic Excellence   Spring 2021
Seoul National University

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

Undergraduate Scholarship for Academic Excellence   2016 – 2019
Yongin Human Resources Development Foundation

Undergraduate Scholarship for Academic Excellence   Spring 2016 – Spring 2018
Seoul National University

FUNDING AND GRANTS

SNU Social Sciences Research Grant for Graduate Students 2021
Seoul National University
> Title: "The effect of robot appearance on the relationship between loneliness and anthropomorphism: The difference between state and trait loneliness."
> Advisor: Sowon Hahn
> Grant amount: 3,000,000 won ($3600)

Social Science Research Grant for Undergraduates 2019
Seoul National University
> Title: "The effect of extraversion on vulnerability to loneliness: Moderating effects of basal loneliness level."
> Advisor: Incheol Choi
> Grant amount: 1,500,000 won ($1800)

Special Program for Exploration on Value and Practice 2019
Seoul National University
> Title: "Relationship-seeking of Korean young adults: On the difference between evaluating self and others."
> Advisor: Incheol Choi
> Grant amount: 3,000,000 won ($3600)

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	Native proficiency
	English	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)