Kyoungeun Lee, M.S.

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EDUCATION

08/2021 - Current	**The University of Texas at Austin** Ph.D. candidate, Psychology (Cognition, Behavioral and Brain) Supervisor: Dr. Audrey Duarte
08/2018 - 08/2021	**Georgia Institute of Technology** Ph.D. student, Psychology (Cognitive aging) Supervisor: Dr. Audrey Duarte
09/2015 – 03/2018	**Korea University** (Seoul, Republic of Korea) Master of Science in Biopsychology • Thesis: Age-based stereotype threats can impair the performance of older adults for emotion recognition.
03/2011 – 02/2015	Bachelor of Arts in Psychology

RESEARCH POSITIONS

08/2021 – Current	**Memory and Aging Laboratory, UT Austin** Graduate research assistant
08/2018 – 08/2021	**Memory and Aging Laboratory, Georgia Tech** Graduate research assistant
09/2015 – 03/2018	**Behavioral & Cognitive Neuroscience Laboratory, Korea University** Graduate research assistant
09/2015 – 03/2017	**Platinum Aging Research Center** Research assistant
06/2016 – 12/2016	**Supreme Prosecutors' Office Republic of Korea National Digital Forensic Center (NDFC)** *Research Assistant*
10/2013 – 06/2015	**Severe Mental Illness Laboratory for Excellent Care (SMILE), Korea University** *Undergrad Research Assistant*

RESEARCH EXPERIENCE

09/2021 – current	**Memory and Aging Laboratory, UT Austin** Graduate research assistant • Designed an fMRI study to identify the role of interoception on emotional memory across adult lifespan. • Developed an experimental task measuring one's interoceptive awareness. • Currently working on collecting fMRI, physiology and behavioral data from a lifespan sample.
09/2020 – current	**Memory and Aging Laboratory, Georgia Tech** Graduate research assistant • Conducted a large-scale online study to examine the impact of Covid-19 related stress in one's well-being and emotional memory across young to older adults.

- Collected variety of self-report and behavioral data from large online samples and managed the analysis pipeline.

09/2018 – 05/2021   **Memory and Aging Laboratory, Georgia Tech**
Graduate research assistant
- Conducted an EEG study examined neural reinstatement of overlapping memories in young and older adults.
- Applied representational similarity analysis (RSA) and classification analysis on EEG data to identify the age-related difference in memory reactivation.

09/2015 – 09/2017   **Behavioral & Cognitive Neuroscience Lab, Korea University**
Graduated Research assistant
- Conducted research to examine the impact of age-based stereotype threats on emotion recognition, attentional bias and memory in older adults.
- Collected and analyzed eye-tracking & psychophysiological data from older adults during emotion recognition and memory task.

09/2015 – 03/2017   **Ministry of Science and ICT**
Researcher
- Participated in development of K-AQ (Korean-Aging Quotient), a web-based of multifaceted health assessment program for Korean older adults.

09/2015 – 03/2017   ***Laboratory of Psychophysiology & Brain Imaging, Korea University***
Graduated Research assistant
- Identified implicit brain fingerprinting of crime-related memories using virtual reality.
- Worked as an instructor of virtual reality mock crime sessions and collected EEG data.

09/2015 – 03/2017   ***Ministry of Science and ICT***
Researcher
- Developed a prototype of AI robot companion, "AOU", for older adults.
- Conducted observational study and in-depth interviews to evaluate the quality of interaction between older adults and AOU.

06/2016 – 12/2016   ***Supreme Prosecutors' Office, National Digital Forensic Center (NDFC)***
Research Assistant
- Developed and validated a new Concealed Information Test (CIT) paradigm for informed innocent examinees.

10/2013 – 06/2015   ***Severe Mental Illness Laboratory for Excellent Care***
Undergraduate Research Assistant
- Examined the efficacy of Social Cognitive Skills Training (SCST) for Schizophrenia in Korean community setting.
- Participated in SCST intervention sessions as an assistant therapist and evaluated the effect of SCST.

10/2013 – 06/2015   ***Severe Mental Illness Laboratory for Excellent Care***
Undergraduate Research Assistant
- Assisted research to investigate attentional processing of emotional faces in schizophrenia.
- Acquired eye-tracking data during dot-probe task from healthy controls and schizophrenia patients, and assisted neurocognitive assessments.

AWARDS & SCHOLARSHIPS

1st Semester 2022	**Professional Development Award** *University of Texas at Austin*
2st Semester 2021	**Sallie P. Asche Travel Award** *Center for Vital Longevity*
1st Semester 2018	**Psychology Presidential Award** *Georgia Institute of Technology*
1st Semester 2016	**Academic Scholarship** *Korea University*
2nd Semester 2015	**Research Assistant Scholarship** *Department of Psychology, Korea University*
2nd Semester 2014	**Semester High Honors** *Korea University*

LEADERSHIP ACTIVITIES

05/2022 – Current	**Mentor, Summer Undergraduate Research Experience (SURE)** Participated as a mentor for undergraduate students and supervised their research development.
03/2022 – Current	**Data manager, Diverse Psychology Mentorship Program** Collected and analyzed data from mentors and mentees and suggested further direction to improve the quality of mentorship program.
08/2020 – 08/2020	**Volunteer, High school Summer Camp** Demonstrated EEG experiments with high school students who are interested in neuroscience.
03/2014 – 07/2014	**Volunteer, Dongdaemun- gu Mental Health Center & Down Syndrome Welfare Center** Worked as a career rehabilitation mentor for a schizoaffective disorder patient and as a teaching assistant at a Saturday Art Class for children with Down syndrome.

SKILLS

- Data acquisition & analysis of EEG, fMRI
- Data acquisition & analysis of Eye-Tracking, Psychophysiology
- MATLAB, R Studio, SPSS and PsychoPy

TEACHING EXPERIENCE

2nd Semester 2019 – 2nd Semester 2020	**Teaching Assistant, General psychology(Psyc1101), Georgia Tech** Holding office hours and grading
1st Semester 2018	**Teaching Assistant, General psychology(Psyc1101), Georgia Tech** **Teaching Assistant, Psychology of creativity & art(Psyc2280), Georgia Tech** Holding office hours and grading
1st Semester 2015	**Teaching Assistant, Learning and Memory (PYSC216), Korea University** Managing team project, holding office hours and grading

PATENT & PROGRAM LICENSE

10/2017	***EEG analysis method for examining genuineness of the testee's statement***
	S.C. Kim, S.H. Lee, S.O. Kim, M.Y. Kim, H.T. Kim, E.H. Chang, I.U. Song, & **K.E. Lee** (2017). Korean Patent No. 10-2017-0088447
01/2017	***Korean Aging Quotient, K-AQ***
	H.T. Kim, J.S. Choi, K.H, Choi, J.B. Jeong, W. J. Lee, **K.E. Lee**, & S.M Kim (2017). Korean Program No. C-2017-000051

MEDIA COVERAGE

07/2022	***Cognitive Neuroscience Society***
	"Disentangling Overlapping Memories in Older Adults"
	https://www.cogneurosociety.org/disentangling-overlapping-memories-in-older-adults/
09/2022	***Austin-American Stateman***
	"University of Texas study provides insight into how aging affects episodic memory"
	https://www.statesman.com/story/news/education/2022/09/12/university-texas-study-gives-insight-on-aging-affects-episodic-memory/65462508007/

SUBMITTED PRESENTATIONS

Kyoungeun Lee, Taylor James, Audrey Duarte (Apr. 2022). Impact of depressive symptoms and Covid19-related stress on emotional memory across adult lifespan. *Poster presentation at Cognitive Neuroscience Society (CNS) 2022 Annual Meeting.*

Kyoungeun Lee, Audrey Duarte (Apr. 2022). Impact of Covid-19 related stress, age and resilience on sleep quality during Covid-19 pandemic. *Poster presentation at Cognitive Aging Conference (CAC) 2022 Meeting.*

Kyoungeun Lee, Audrey Duarte (Jan. 2022). The impact of Covid-19 related stress on emotional experience and memory. *Poster presentation at Dallas Aging and Cognition Conference (DACC) 2022 Virtual Meeting.*

Kyoungeun Lee, Soroush Mirjalili, Audrey Duarte (Sep. 2021). Neural reinstatement of overlapping memories under proactive interference in young and older adults. *Oral presentation at Dallas & Austin Area Memory meeting (DAAMM) 2021 Virtual Meeting.*

Kyoungeun Lee, Soroush Mirjalili, Brittany Corbett, Audrey Duarte (Mar. 2021). Neural reactivation of mnemonic interference during associative memory. *Poster presented at Cognitive Neuroscience Society (CNS) 2021 Virtual Meeting.*

Kyoungeun Lee, Audrey Duarte. (Feb. 2021) Reactivation of old memories during new learning predicts worse memory performance across age. *Poster presented at CRIDC poster competition.*

Kyoungeun Lee, Soroush Mirjalili, Brittany Corbett, Audrey Duarte (May. 2020). Neural reactivation of mnemonic interference during associative memory. *Poster presented at Cognitive Neuroscience Society (CNS) 2020 Virtual Meeting.*

Kyoungeun Lee, Hyun Taek Kim and June-Seek Choi (Jan. 2017). Effect of negative stereotype on spatial working memory and emotion recognition in older adults. *Poster presented at annual meeting of Korean Society for Cognitive and Biological Psychology.*

Kyoungeun Lee et al., (Nov. 2016) Interaction between age-based stereotype threat and self-perception of aging on visuo-spatial working memory and emotion recognition of Korean elderly. *Poster presented at fall conference of Korean Gerontology Society.*

Kyoungeun Lee, Kee Hong Choi, Hyun Taek Kim and June-Seek Choi (Aug. 2016). Self-perception of aging can moderate the effect of age-related threat on social cognition and neurocognitive functions. *Poster presented at the Conference of Platinum Aging Center.*

INVITED PRESENTATIONS

Kyoungeun Lee & Audrey Duarte (Mar. 2022). Link between interoception and emotional memory across adult-lifespan. Guest talk at Developmental Cognitive Neuroscience Lab.

PEER REVIEWED PUBLICATIONS

Lee, K., Sayre, B., Martin, S., James, T. A., & Duarte, A. (2022). Covid-19-stress associated with worse sleep quality, particularly with increasing age. *The Journals of Gerontology: Series B*

Lee, K., Mirjalili, S., Quadri, A., Corbett, B., & Duarte, A. (2022). Neural reinstatement of overlapping memories in young and older Adults*. Journal of Cognitive Neuroscience*, 1-21.

Kim, S. C., Kim, H., **Lee, K**., Song, I., Chang, E. H., Kim, S., & Kim, H. T. (2022). Retroactive memory interference reduces false positive outcomes of informed innocents in the P300-based concealed information test. *International Journal of Psychophysiology,* 173, 9-19

Song, I., Kim, H., **Lee, K**., Chang, E., & Kim, H. T. (2019). Can virtual mock crime replace actual mock crime? An event-related potential study. *Korean Journal of Forensic Psychology, 10*(2), 89-109.

Song, I., Kim, H., **Lee, K**., Chang, E., & Kim, H. T. (2018). The comparison of Bootstrapping analyses in P300-CIT. *Korean Journal of Forensic Psychology, 9*(2), 75-99.

Lee, K et al., (2016). *Effect of stereotype threat on spatial working memory and emotion recognition in Korean elderly. Journal of the Korean Gerontological Society*, 36, 1109-1124

REFERENCES

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