

# BYUNG-IL OH

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INTERESTS	Working memory, Long-term memory, Computational modeling, Human neuroimaging	
EDUCATION	<b>Sungkyunkwan University</b> <ul style="list-style-type: none"><li>- Bachelor of Arts in Psychology</li><li>- Bachelor of Science in Engineering, Interdisciplinary Program of Convergence Software</li></ul>	Republic of Korea 2019
PUBLICATIONS & MANUSCRIPTS IN PROGRESS	<ol style="list-style-type: none"><li>1. <b>Oh, B.-I.</b>, Kim, Y.-J., Kang, M.-S. (under review). Ensemble representations reveal distinct neural coding of visual working memory.</li><li>2. Son, G., <b>Oh, B.-I.</b>, Kang, M.-S., &amp; Chong, S. C. (2019, May 9). Similarity-based clusters are representational units of visual working memory. <i>Journal of Experimental Psychology: Learning, Memory, and Cognition</i>. Advance online publication. <a href="http://dx.doi.org/10.1037/xlm0000722">http://dx.doi.org/10.1037/xlm0000722</a></li><li>3. Kang, M.-S. &amp; <b>Oh, B.-I.</b> (2016). Grouping influences output interference in short-term memory: a mixture modeling study. <i>Frontiers in Psychology</i>, 7, 585. <a href="https://doi.org/10.3389/fpsyg.2016.00585">https://doi.org/10.3389/fpsyg.2016.00585</a></li></ol>	
PRESENTATIONS	<ol style="list-style-type: none"><li>1. <b>Oh, B.-I.</b> &amp; Kang, M.-S. (2018). Cluster representation during maintenance in visual working memory. Poster presented at the 18th Annual Meeting of <i>Korean Society for Cognitive and Biological Psychology</i>, Suwon, Republic of Korea.</li><li>2. <b>Oh, B.-I.</b> &amp; Kang, M.-S. (2017). Time is needed for memory to be biased toward an ensemble average. Poster presented at the 17th Annual Meeting of the <i>Vision Science Society</i>, St. Pete Beach, FL., U.S. Abstract published in <i>Journal of Vision</i>, 17(10), 350.</li></ol>	
RESEARCH EXPERIENCES	<b>Visual Cognitive Neuroscience Lab</b> , Department of Psychology, Sungkyunkwan University <i>Research Assistant</i> (Advisor: Prof. Min-Suk Kang) <ul style="list-style-type: none"><li>- Led project on working memory and ensemble representation. Ran behavioral and EEG experiments. Set up and managed EEG environment and participant pool.</li></ul> <b>Sensorimotor Cognition Laboratory</b> , Center for Neuroscience Imaging Research, Institute of Basic Science <i>Intern</i> (Advisor: Prof. Jun-Yeol Lee) <ul style="list-style-type: none"><li>- Participated in pilot project on smooth pursuit eye movement and memory. Ran behavioral experiment with eye-tracker and presented result by poster.</li></ul>	Seoul, Republic of Korea Feb. 2015 – Aug. 2018  Suwon, Republic of Korea Jun. 2016 – Jul. 2016
AWARDS	<b>Data Science Competition 2019</b> , Naver Corporation & Seoul National University <i>Third Place</i> (among 2,000 competitors) <ul style="list-style-type: none"><li>- Purpose: to make creative financial portfolio strategy based on data science</li><li>- Designed personalized portfolio optimization method that overcomes disposition effect.</li></ul>	Republic of Korea Apr. 2019 – Aug. 2019
SKILLS	MATLAB, Python, R, Keras, Stan, SQL, C/C++, Java, Photoshop	

EXTRA-  
CURRICULAR  
ACTIVITIES

**Student Club Activities**, Sungkyunkwan University  
*Cognitive Psychology Student Club*

Seoul, Republic of Korea  
Apr. 2014 – Nov. 2017

- Participated in project on memory, attention, consciousness, face recognition, motion perception, time perception, and navigation.
- Organized club funding and made decision on project as club president.

*Data Analysis Student Club*

Mar. 2016 – Nov. 2017

- Studied statistics, data analysis, machine learning, R, python. Participated in project on network analysis. Entered competition of recommendation system.

**Class Mentoring Activities**, Sungkyunkwan University  
*Brain, Mind, and Behavior (PSY3013-01)*

Seoul, Republic of Korea  
Fall 2016

- Gave summary presentation of neuroimaging method, perception, attention, memory, decision making, social neuroscience to classmates.

*Perception (PSY3008-01)*

Spring 2015

- Summarized psychometrics, visual, auditory, and somatosensory perception for class buddies. Answered question and led discussion.

WORK  
EXPERIENCES

**KATUSA** (Korean Augmentation to the United States Army),  
Republic of Korea Army  
*Administrative Specialist*

Republic of Korea  
Oct. 2018 – Present

- Performing mandatory military service with Eighth U.S. Army.

Last Updated: 29 August 2019