

Byung-Il Oh

Curriculum Vitae

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Education

2013 – 2019 **B.A. in Psychology & B.S. in Convergence Software**
Sungkyunkwan University

Experience

2018.10 – Present **KATUSA** (Korean Augmentation To the United States Army)
Republic of Korea Army

2015.02 – 2018.08 **Research Assistant**
Visual Cognitive Neuroscience Lab (VCNL)
Department of Psychology, Sungkyunkwan University
Supervisor: Min-Suk Kang

Summer 2016 **Summer Internship**
Sensorimotor Cognition Laboratory
Center for Neuroscience Imaging Research, Institute of Basic Science
Supervisor: Jun-Yeol Lee

Publications

- 1) Oh, B.-I., Kim, Y.-J., Kang, M.-S. (in preparation). Ensemble representations reveal distinct neural coding of visual working memory.
- 2) Son, G., Oh, B.-I., Kang, M.-S., & Chong, S. C. (under review). Similarity-based clusters are representational units of visual working memory.
- 3) Kang, M.-S. & Oh, B.-I. (2016). Grouping influences output interference in short-term memory: a mixture modeling study. *Frontiers in Psychology*, 7:585, 1-6.

Presentations

- 1) Kang, M.-S., Oh, B.-I., & Kim, Y. (2018). Neural coding schemes of anterior and posterior brain regions in the formation of cluster representation in visual working memory. Poster presented at the 18th Annual Meeting of the *Society for Neuroscience*, SD., U.S.
- 2) Son, G., Oh, B.-I., Kang, M.-S., & Chong, S. C. (2018). Similarity-based clusters are the representational units of visual working memory. Poster presented at the 18th Annual Meeting of the *Vision Science Society*, St. Pete Beach, FL., U.S.
- 3) Oh, B.-I. & Kang, M.-S. (2018). Cluster representation during maintenance in visual working memory. Poster presented at the 18th Annual Meeting of *Korean Society for Cognitive and*

Biological Psychology, Suwon, the Republic of Korea.

- 4) Son, G., **Oh, B.-I.**, Kang, M.-S., & Chong, S. C. (2018). Similarity-based clusters are the representational units of visual working memory. Poster presented at the 18th Annual Meeting of *Korean Society for Cognitive and Biological Psychology*, Suwon, the Republic of Korea.
- 5) **Oh, B.-I.** & 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 *Vision Science Society*, St. Pete Beach, FL., U.S. Abstract published in *Journal of Vision*, 17(10), 350.

Programming skills

Primary: MATLAB (+ Psychtoolbox, EEGLAB, & FieldTrip), Python (+ PyMC3), R (+ Stan)

Secondary: C/C++, C#, Java, HTML/CSS, JavaScript, Django, MySQL, Unity, Arduino, Photoshop

Campus activities

President

Undergraduate Students Society of Cognitive Psychology

Department of Psychology, Sungkyunkwan University

2015.01 - 2015.12

Tutor

Perception

Department of Psychology, Sungkyunkwan University

Spring 2015

Tutor

Brain, Mind, and Behavior

Department of Psychology, Sungkyunkwan University

Fall 2016