

# Byung-Il Oh

Curriculum Vitae

E-mail: bioh.inbox@gmail.com

## Education

---

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

## Experiences

---

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  
Advisor: Min-Suk Kang

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

## Publications & Manuscripts in progress

---

- 1) **Oh, B.-I.**, Jeong, E.-J., Kang, M.-S. (in preparation). Temporal characteristics of ensemble representations in visual working memory from continuous estimation and old/new judgment tasks.
- 2) **Oh, B.-I.**, Kim, Y.-J., Kang, M.-S. (submitted). Ensemble representations reveal distinct neural coding of visual working memory.
- 3) Son, G., **Oh, B.-I.**, Kang, M.-S., & Chong, S. C. (under review). Similarity-based clusters are representational units of visual working memory.
- 4) 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 (+ PyMC), 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