BYUNG-IL OH

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Last Updated: August 10th, 2020

EDUCATION

Sungkyunkwan University — South Korea, 2020

- Bachelor of Arts in Psychology
- Bachelor of Science in Computer Engineering

WORK EXPERIENCES

Software Engineer, Suwon, South Korea, Sept. 2020 – Present
Samsung Electronics Co. Ltd.

Sergeant, Seoul, South Korea, Oct. 2018 – May 2020
KATUSA, Republic of Korea Army

RESEARCH EXPERIENCES

Research Assistant (Advisor: Prof. Min-Suk Kang), Seoul, South Korea, Feb. 2015 – Aug. 2018
Visual Cognitive Neuroscience Lab, Sungkyunkwan University

Intern (Advisor: Prof. Jun-Yeol Lee), Suwon, South Korea, June 2016 – July 2016
Sensorimotor Cognition Lab, Center for Neuroscience Imaging Research

PUBLICATIONS

1. **Oh, B.-I.**, Kim, Y.-J., Kang, M.-S. (2019). Ensemble representations reveal distinct neural coding of visual working memory. *Nature Communications. 10*, 5665.
2. Son, G., **Oh, B.-I.**, Kang, M.-S., & Chong, S. C. (2019). Similarity-based clusters are representational units of visual working memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition.*
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.

PRESENTATIONS

1. **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, South Korea.
2. **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.

AWARDS

First Place (among ~300 competitors), South Korea, Feb. 2020
BIG DATA Competition, IGAWorks Corporation

Third Place (among ~2,000 competitors), South Korea, Aug. 2019
Data Science Competition, Naver Corporation & Seoul National University

TECHNICAL SKILLS

- Machine Learning: Python, Pytorch, Scikit-Learn
- Behavior & Neuroimaging: MATLAB, Psychtoolbox, EEGLAB, FieldTrip
- Tools: Git, Docker, Kubernates