

## CURRICULUM VITAE

**Minwoo JB Kim**

Cognitive Scientist

Dept. of Biomedical Engineering, UNIST

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### RESEARCH INTEREST

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Cognitive Neuroscience, Visual Attention, Emotion and Cognition Interaction, Cognitive Control, Cognitive Dysfunction, Event-Related Potentials, Computer Mouse Tracking, Motion Perception, Computational Modelling.

### ACADEMIC APPOINTMENTS

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#### UNIST

Post-doctoral Fellow, Department of Biomedical Engineering

Ulsan, ROK

2023 – Present

#### Seoul National University

Post-doctoral Fellow, Department of Brain & Cognitive Sciences

Seoul, ROK

2021 – 2023

### EDUCATION

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#### University of Delaware

- Ph.D. Cognitive Psychology (Advisor: James E. Hoffman)

- Dissertation: Can emotionally salient singletons be suppressed?

Newark, DE

2016 - 2021

#### Korea University

- M.S. in Cognitive Psychology (Advisor: Yang Seok Cho)

- Thesis: The modulating effect of emotional valence on the speed of involuntary attentional capture.

- Misc.: *Military Service During the Program (1<sup>st</sup> Lieutenant in Public Affairs, ROK Air Force)*

Seoul, ROK

2010 - 2016

#### Korea University

- B.A. Psychology (Advanced)

Seoul, ROK

2005 - 2010

### GRANTS & AWARDS

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**NRF Post-Doctoral Domestic Training Grant** 180,000,000 KRW / 140,000 USD 2022 - 2023

- Cognitive Shielding: Investigation of Depression and Anxiety Related Deficits in Attention and Memory Functions, Their Measurement, and Preventative Digital Training.

**U of Delaware Doctoral Fellowship** 4,000 USD 2020

**U of Delaware Graduate Office Travel Awards** 500 USD 2017, 2018

**U of Delaware Psychology Department Travel Awards** 500 USD 2017, 2017, 2018, 2019

**PUBLICATION**

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*Published*

Baker, A. L., **Kim, M.**, & Hoffman, J. E. (2021). Searching for emotional salience. *Cognition*, 214, 104730.

Hoffman, J. E., **Kim, M.**, Taylor, M., & Holiday, K. (2020). Emotional capture during emotion-induced blindness is not automatic. *Cortex*, 122, 140-158.

**Kim, M.**, & Cho, Y. S. (2016). The modulating effect of emotional valence on the speed of involuntary attentional capture. *The Korean Journal of Cognitive and Biological Psychology*, 28(2), 285-308.

**Kim, M.**, Choi, J. S., Cho, Y. S. (2011). The Korea University Facial Expression Collection (KUFEC) and semantic differential ratings of emotion. *Korean Journal of Psychology: General*, 30(4), 1189-1211.

*In Preparation*

**Kim, M. J. B.**, (submitted). Capture of Spatial Attention by Emotional Salience Can be Suppressed, but at a Cost.

Aul C., **Kim, M. J. B.**, Stibolt, O., Lompado, A., Hoffman, J. E., (submitted). Access to Meaning in Visual Scenes Depends on Conscious Awareness.

**Kim, M. J. B.**, Aul, C. & Hoffman, J. E. (in preparation). Emotional Salience do not capture but automatically calls for attention.

**Kim, M. J. B.**, Kim, M. S., Song, H., Lee, S. A. (in preparation) Emotional Sounds Modulate Cognitive Control While Driving.

**CONFERENCE PRESENTATIONS**

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*Conference Talks*

Koo, M., **Kim, M. J. B.**, Kim, M. S., Song, H., Lee, S. A. (2024, May) *The Effect of Emotional Stimuli on EEG and Cognitive Control*. Talk session at the Acoustical Society of Korea, Jeju, Republic of Korea.

**Kim, M.**, & Hoffman, J. E. (2022, Feb). *Can emotional singletons be suppressed?* Talk session presented at the 2022 annual meeting of Korean Society for Cognitive and Biological Psychology, Presented Online.

**Kim, M.**, & Hoffman, J. E. (2021, Nov). *Can emotionally salient singletons be suppressed?* Talk session presented at the 29<sup>th</sup> annual meeting of OPAM, Presented Online.

*Poster Presentations*

**Kim, M. J. B.** (2024, May). *Spatial Attention is Captured and Suppressed by Emotional Pictures in High*

## CURRICULUM VITAE

- Trait Anxiety*. Poster session presented at the conference of Vision Science Society, St. Pete's Beach, FL.
- Kim, M. J. B.**, Kim, M. S., Song, H., Lee, S. A. (2023, Oct) *Emotional Sounds Modulate Cognitive Control While Driving*. Poster session presented at the Biannual Meeting of Korean Society of Human Brain Mapping (KHBM), Suwon, Republic of Korea.
- Lee, J., Rheem, H., Cho, Y. S., **Kim, M.** (2022, Nov) *Time-Frequency Analyses of EEG for Investigating the Control of Simon Conflict in Mouse-Tracking*. Poster session presented at the 63<sup>rd</sup> Annual Meeting of Psychonomic Society, Boston, MA, U.S.
- Lee, N., **Kim, M.**, & Cho, Y. S. (2022, Nov) *Different Patterns of the Delta Function in Mouse-Tracking Measures: The Location-, Arrow- and Word-Based Simon Tasks*. Poster session presented at the 63<sup>rd</sup> Annual Meeting of Psychonomic Society, Boston, MA, U.S.
- Kim, M.**, Lobo, A., & Hoffman, J. E. (2019, Nov). *Without Physical Salience, Emotional Target Pictures Do Not Break Through the Attentional Blink*. Poster session presented at the 60<sup>th</sup> Annual Meeting of Psychonomic Society, Montreal, Quebec, Canada.
- Kim, M.**, & Hoffman, J. E. (2018, Nov). *Non-salient emotional distractors still capture attention*. Poster session presented at the 59<sup>th</sup> Annual Meeting Psychonomic Society, New Orleans, LA.
- Kim, M.**, & Hoffman, J. E. (2017, Nov). *Even with reduced physical salience, emotional pictures capture attention during multiple object tracking*. Poster session presented at the 25<sup>th</sup> annual conference of OPAM, Vancouver, BC, Canada.
- Kim, M.**, Taylor, M., & Hoffman, J. E. (2017, May). *Emotional pictures automatically capture attention*. Poster session presented at the conference of Vision Science Society, St. Pete's Beach, FL.
- Kim, J. S., Kim, J. Y., Lee, H. S., Choi, W. L., Fink., S., Leung, T., **Kim, M.**, & Cho, Y. S. (2016, Aug). *The Effects of Eye and Mouth Change in Processing Happy Face*. Poster session presented at the Korean Psychological Association Annual Meeting 2016, Gunsan, Republic of Korea.
- Kim, M.**, Rheem, H. & Cho, Y. S. (2016, Jan). *Speed of involuntary attentional capture is determined by valence of emotional distractors*. Poster session presented at the 53<sup>rd</sup> Annual Conference of Korean Society for Cognitive and Biological Psychology, Jeju Island, Republic of Korea.
- Kim, M.**, Kim, B. Y. & Cho, Y. S. (2011, Nov). *The role of arousal in automatic attentional capture triggered by negative distractor words*. Poster session presented at the 19<sup>th</sup> annual conference of OPAM, Seattle, WA.
- Kim, M.**, & Cho, Y. S. (2010, Nov). *Distractor-target similarity determines emotional information processing in RSVP*. Poster session presented at the 18<sup>th</sup> Annual Conference of OPAM, St. Louis, MO.

## TEACHING EXPERIENCE

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## CURRICULUM VITAE

### *Teaching Assistant*

- Cognitive Neuroscience (University of Delaware: Spring 2020, Fall 2020, Spring 2021)
- Cognition (University of Delaware: Fall 2019)
- Introduction to Psychology (University of Delaware: Spring 2017, Fall 2018, Spring 2019)
- Research Methods (University of Delaware: Spring 2018)
- Undergraduate Level Statistics (University of Delaware; Fall 2016; Fall 2017)
- Attention & Response Selection (Korea University: Spring 2010, 2011 ; Fall, 2015)

### *Guest Lecture*

- Importance of programming in Psychology, Dept of Counseling Psychology, Cha University 21/11/18

### *Workshops*

- Dept. of Brain & Cognitive Science EEG workshop, Event-Related Potentials Lecture 23/07/19

## **PROFESSIONAL AFFILIATIONS & SERVICES**

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### *Membership*

- Member, Psychonomics Society
- KSBNS Korean Society for Brain and Neuroscience
- Vision Science Society

### *Ad-Hoc Reviews*

- Korean Society for Cognitive and Biological Psychology
- Journal of Educational Policy (KJEP)

## **RESEARCH SKILLS**

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- **Python:** Experiment Design, Data analysis, Research app development etc.
- **Matlab:** Data analysis, EEG analysis etc.
- **Experiment Design and Development:** Psychopy, Online Experimentation: Mturk, Prolific
- Language: Korean (Native), English (Fluent)