

Jaeseon Song

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EDUCATION

Ph.D. Candidate, Psychology, University of Georgia **2017-2024. May (Expected)**
Advisor: James M. Brown
Dissertation Committee: James M. Brown, Bruno G. Breitmeyer, Billy R. Hammond, Jennifer McDowell
B.A., M.A. in Psychology, Chungbuk National University (South Korea) **2009-2015**

MANUSCRIPT UNDER REVIEW

Song, J., & Brown, J. M. *The influence of “advancing” and “receding” colors on figure-ground perception under monocular and binocular viewing.* Attention, Perception, & Psychophysics (2nd revision).

MANUSCRIPT UNDER PREPARATION

Song, J., Breitmeyer, B. G., & Brown, J. M. *Further examination of the pulsed- and steady-pedestal paradigms under hypothetical parvocellular- and magnocellular-biased conditions.*
Song, J. & Brown, J. M. *The effect of fast flicker adaptation on spatial vision.*

PEER-REVIEWED PUBLICATIONS

Song, J., Breitmeyer, B. G., & Brown, J. M. (In Press) *Examining increment thresholds for Gabor patches under hypothetical parvocellular- and magnocellular-biased conditions.* Attention, Perception, & Psychophysics.
Song, J., Jung, W. H., Choo, J. H., Chung, K. M., & Jung, W. S. (2014). Important Perceptual and Cognitive Factors to Include in Apology E-mails to Dissatisfied customers. *Korean Society for Cognitive and Biological Psychology*, 26(2), 95-135.
Cha, H. N., **Song, J.**, & Jung, W. H. (2013). The effects of color, spatial frequency and shape on chromatic induction. *Korean Society for Cognitive and Biological Psychology*, 25(4), 383-401.

ORAL & POSTER CONFERENCE PRESENTATIONS

Song, J., Breitmeyer, B. G., & Brown, J. M. (2023). *Further examination of the pulsed- and steady-pedestal paradigms under hypothetical parvocellular- and magnocellular-biased conditions.* Poster presented at the Vision Sciences Society (VSS) 2023 Meeting, Florida, US.
Song, J., Breitmeyer, B. G., Nightingale, J., & Brown, J. M. (2022). *Examining increment thresholds as a function of pedestal contrast under hypothetical parvocellular- and magnocellular-biased conditions.* Poster presented at the Vision Sciences Society (VSS) 2022 Meeting, Virtual.
Song, J., & Brown, J. M. (2021). *Figure-ground perception with color in monocular and binocular vision.* Poster presented at the 62nd Annual Psychonomic Society Meeting, Virtual.
Song, J., & Brown, J. M. (2019). *Further exploration of antagonistic interactions in figure-ground perception.* Poster presented at the 19th Annual Vision Sciences Society Meeting, Florida, US.
Plummer, R. W., Brown, J. M., & **Song, J.** (2018). *Using artificial scotoma fading to explore antagonistic interactions in figure-ground perception.* Poster presented at the 18th Annual Vision Sciences Society Meeting, Florida, US.

- Song, J.,** & Jung, W. H. (2015). *The variation in angle perception due to angle size, angle orientation and ratio of line length*. Talk presented at the International Conference on Education and Social Sciences, Istanbul, Turkey.
- Song, J.,** & Jung, W. H. (2015). *Effects of line length, color contrast, and interval of segments in angle perception*. Poster presented at the Annual Conference of the Korean Society for Cognitive and Biological Psychology, Jeju, Korea.
- Song, J.,** & Jung, W. H. (2014). *The effects of straight road scene and added salient lines on angle illusion*. Poster presented at the Annual Conference of Human Computer Interaction Korea, Seoul, Korea.
- Song, J.,** & Jung, W. H. (2014). *The effect of the Zöllner illusion on angle perception*. Poster presented at the European Conference on Visual Perception, Belgrade, Serbia.
- Song, J.,** & Jung, W. H. (2014). *The effects of added lines and orientations of the image on angle illusion in road scenes*. Talk presented and attended the panel discussion at the Sixth International Conferences on Advances in Multimedia, Nice, France.
- Song, J.,** & Jung, W. H. (2014). *Effects of line length, color contrast, and interval of segments in angle perception*. Talk presented at the Annual Conference of the Korean Society for Cognitive and Biological Psychology, Buyeo, Korea.
- Song, J.,** & Jung, W. H. (2013). *The effects of angle size and length ratio in angle perception*. Poster presented at the European Conference on Visual Perception, Bremen, Germany.
- Song, J.,** & Jung, W. H. (2013). *Effects of the exposure time on the accuracy of an eyewitness*. Poster presented at the Asia-Pacific Conference on Vision, Suzhou, China.
- Song, J.,** Jung, W. H., & Lee, S. (2012). *Effect of age perception and lineup procedure on face recognition*. Poster presented at the European Conference on Visual Perception, Alghero, Italy.

SKILLS

Hardware

- Spectrophotometer (Photo Research PR-650) to calibrate a monitor
- Eye trackers (EyeLink 1000 Plus and Pupil-labs core eye-tracking headset)

Software

- Programming Languages
 - for experiments:* proficient with Python (PsychoPy, PyCharm, Spyder) and MATLAB (PsychToolbox)
 - Quest for real-time maximum likelihood estimation (Python)
 - OpenGL, OpenCV for image processing and filtering techniques (Python)
- for mathematical modeling & statistical analyses:* proficient with R, SAS, and SPSS

Laboratory skills

- Basic mouse handling, Basic retina preparation for multielectrode array recordings

EMPLOYMENT

Graduate Teaching Assistant, University of Georgia, Athens, GA

2017-Present

Instructor of Record

Research Design in Psychology (PSYC 3980) – Summer 2022

- Designed and built all curriculum for research design (junior-level) course intended to aid students in evaluating the qualities of multiple sources of information by considering alternative explanations and determining the truth/falsity of assumptions.

Sensation and Perception (PSYC 4120) – Fall 2020

- Designed and built all curriculum for sensation and perception (senior-level) course intended for students gaining a general understanding and appreciation of their sensory/perceptual systems.

Teaching Assistant

Sensation and Perception (PSYC 4120) – Spring 2023

Research Analysis in Psychology (PSYC 3990) – Fall 2022, Spring 2021

- Teach/taught weekly lab section (using R software) for junior-level course.
- Collaborated with multiple teaching assistants and instructor to design rubrics for the evaluation of research papers and assignments.

Research Design in Psychology (PSYC 3980) – Spring 2022, Summer 2021, Spring 2020, Fall 2019

Psychopharmacology (PSYC 5850) – Fall 2021

Elementary Psychology (PSYC 1101) – Spring 2019

Laboratory Research Assistant, Chungbuk National University College of Medicine, Cheongju, Chungbuk, South Korea

- In the Vision Lab headed by Dr. Yong Sook Goo, **01/2016 – 06/2016**
 - I assisted *Ex-vivo* electrophysiology experiments to understand the progression of retinal degenerative diseases and to determine optimum stimulus paradigms for use with retinal prosthetic devices
 - I did *Ex-vivo* retinal preparation on multi-electrode array, recording spikes, and spike sorting.

Research Assistant (Grant Recipient), Chungbuk National University, Cheongju, Chungbuk, South Korea

- “*The psychological approach to the Uncanny Valley in face perception*,” **11/2014 – 08/2015**
Interdisciplinary Integrative Project, National Research Foundation of Korea
 - Assisted the principal investigator: general management and administrative duties of the project
- Ministry of Culture, Sports and Tourism(MCST) and Korea Culture & Tourism Institute(KCTI) Research & Development Program **05/2014 – 06/2014**
 - Published a review paper as a lead author and wrote a proposal for further studies
- “*The scientific approach to the aesthetic experience using the fractal images*,” **01/2012 – 08/2015**
Interdisciplinary Integrative Project, National Research Foundation of Korea
 - Conducted four studies (published one in 2013 and presented three in 2014)
 - Assisted the principal investigator
- “*Discovery of 'Erfahrungstatsache' for judicial fact-finding*,” **01/2012 – 08/2014**
Social Science Korea (SSK) Basic Research Lab Program, National Research Foundation of Korea
 - Conducted two studies (presented in 2012, 2013 at international conferences)
 - Assisted the principal investigator

AWARDS & HONORS

Graduate Student Travel Grant	05/2023
Graduate School, University of Georgia	
Walter Isaac Memorial Graduate Student Travel Award	05/2019
Department of Psychology, University of Georgia	
Graduate Student Scholarship (Brain Korea 21 Plus Fellowship Program)	09/2013 – 03/2015
Program for Leading University and Student, National Research Foundation of Korea	
Student Travel Award	01/2015
2015 Annual Conference of the Korean Society for Cognitive and Biological Psychology	
Student Travel Award	01/2014

2014 Annual Conference of the Korean Society for Cognitive and Biological Psychology

Undergraduate Student Scholarship

09/2009 – 02/2013

Korea Student Aid Foundation

PROFESSIONAL AFFILIATIONS

Psychonomic Society

06/2021 – Now

Vision Sciences Society

04/2017 – Now

Human Computer Interaction Korea

11/2014 – 06/2017

Korean Society for Cognitive and Biological Psychology

01/2014 – 06/2017

Korean Society for Cognitive Science

01/2013 – 12/2014

Korean Society for Emotion and Sensibility

01/2013 – 12/2014