

CURRICULUM VITAE

Joshua Shive, Ph.D.

PERSONAL INFORMATION

Address: Department of Psychology
Tennessee State University
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Nashville, TN 37209

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EDUCATION

Purdue University

West Lafayette, IN 2008

Doctor of Philosophy, Cognitive Psychology

Dissertation: Applying Computational Models of Visual Search to Map Display Design.

Dissertation advisor: Gregory Francis, Ph.D.

Purdue University

West Lafayette, IN 2005

Master of Science, Cognitive Psychology

Thesis: Applying models of visual search to map design.

Thesis advisor: Gregory Francis, Ph.D.

Truman State University

Kirksville, MO 2002, 2000

Bachelor of Science, Psychology; Bachelor of Arts, Communications

Cum Laude

PUBLICATIONS

Shive, J., & Francis, G. (2013). Choosing colors for map display icons using models of visual search. Human Factors: The Journal of the Human Factors and Ergonomics Society, 55(2), 373-396.

Francis, G., Bias, K., & Shive, J. (2010). The psychological four-color mapping problem. Journal of Experimental Psychology: Applied, 16, 109-123.

Shive, J., & Francis, G. (2008). Applying models of visual search to map display design. International Journal of Human-Computer Studies, 66, 67-77.

PRESENTATIONS AND ABSTRACTS

- Shive, J., Heise, D., Ector-Volman, E., Manson, J., & Steinmann, S. (2016, July). Detecting offset asynchrony of tones with musically-relevant durations. Poster presented at the 14th International Conference on Music Perception and Cognition, San Francisco, CA.
- Shive, J. (2014, October). Instructional scaffolding improves student performance on hypothesis testing problems. Invited talk given at the annual meeting of Psychology Educators of Tennessee, Nashville, TN.
- Shive, J., Rosichan, S., Austin, S., & Wade, C. (2013, May). The Statistical Saliency Model can choose colors for items on map displays. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
- Shive, J., & Francis, G. (2008, May). Applying computational models of visual search to map design. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
- Shive, J., & Francis, G. (2005, May). Applying models of visual search to map design. Poster presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.
- Erickson, J. M., Francis, G., & Shive, J. M. (2004, May). The spatial spread of filling-in for afterimages produced from orthogonal pairs of stimuli. Poster presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.

GRANTS – AWARDED

- Shive, J. (2016, May). Detecting offset asynchrony for pairs of tones with musically-relevant durations. Internal research grant awarded by Tennessee State University Research and Sponsored Programs. The budget of the awarded grant was \$5,400.

GRANTS – SUBMITTED

- Shive, J. (2015, February). Applying statistical models of visual search to map design. Mini-grant application submitted to Tennessee State University Research and Sponsored Programs. The budget of the proposed grant was \$10,000.
- Shive, J. and Shelton, M. (2014, August). Cognitive study of human-machine interfaces. Project proposed in a grant to establish a Center for Excellence in Cooperative Autonomous Systems. The budget of the proposed center was \$25,000 a year for five years.
- Shive, J. (2013, October). Improving conceptual learning in an introductory statistics course at an historically black university (HBCU). Learning and Leadership Grant submitted to the National Education Association Foundation.

WORK IN PROGRESS

- Shive, J. The Statistical Saliency Model can choose colors for items on map displays.
Manuscript in preparation.

TEACHING EXPERIENCE

- Fall 2008 - present General Psychology, Elementary Statistics, Human Learning and Cognitive Processes, Sensation and Perception, Foundations of Psychological Investigation (Research Methods), Cognitive and Affective Bases of Behavior (Master's Program). Associate Professor, Tennessee State University
- Summer 2007 Introduction to Research Methods in Psychology. Graduate Instructor, Purdue University
- 2003 - 2008 General Psychology, Sensation and Perception, Introduction to Research Methods in Psychology, Human Factors in Engineering. Teaching Assistant, Purdue University

PROFESSIONAL SERVICE

- 2016 Panel reviewer, National Science Foundation Research Traineeship Program
- 2015 Ad hoc reviewer, *Human Factors: The Journal of the Human Factors and Ergonomics Society*
- 2013 Ad hoc reviewer, *Displays*
- 2013 Ad hoc reviewer, Society for the Teaching of Psychology Office of Teaching Resources in Psychology
- 2011 Ad hoc reviewer, *Neural Networks*
- 2010 Ad hoc reviewer, *Behavior Research Methods*

UNIVERSITY SERVICE

- 2015 – present Member, Academic Advising Consortium
- 2013 - present Member, Institutional Review Board
- 2013 - present Member, Academic Misconduct Disciplinary Committee
- 2011 Invited brown bag session on active learning for the Center for Teaching, Learning, and Technology

COLLEGE SERVICE

- 2015 – 2016 Member, Assistant Professor Search Committee, Department of Teaching and Learning
- 2014 - present Chair, Research Design Committee
- 2013 - present Member, Document Integrity Committee
- 2010 - 2012 Member, College Assessment Committee

DEPARTMENT SERVICE

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| 2013 - 2014 | Member, Research Stimulation Committee |
| 2011 - present | Administrator, TSU Department of Psychology Sona Systems Human Subject Pool Management website |
| 2011 - present | Invited classroom presentations on data collection with Sona Systems (Master's level and undergraduate level courses for Psychology) |
| 2009 - present | Member, Undergraduate Curriculum Committee |

OTHER DEPARTMENT SERVICE

Service on thesis and dissertation committees – one master's thesis, two dissertations

COMMUNITY SERVICE

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| 2013 | Participant, Service Learning Day |
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UNDERGRADUATE RESEARCH STUDENTS MENTORED

Seymon Taylor
 Emily Ector-Volman (2015-2016)
 Justin Manson (2015-2016)
 James Ellison (2014-2015)
 Santos Santoni-Sanchez (2014)
 Derien Rivers (2012-2014) – NIGMS Maximizing Access to Research Careers participant
 Coty Parker (2012-2013)
 Denisha Jackson (2013-2014)
 Keana Nwaneri (2011-2012)
 Sherika Austin (2011-2012)
 Christena Wade (2011-2012)
 Robert Moore (2011-2012)
 Sharra Rosichan (2009-2011)

AWARDS

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| 2015 | Participant, Tennessee State University Mid-Career Scholars' Program |
| 2014 | Nominated for Teacher of the Year, College of Education |
| 2012 | Nominated for Favorite Professor, Tennessee State University Blue Sapphire Awards. |

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Society for the Teaching of Psychology
 Society for Music Perception and Cognition
 Psychology Educators of Tennessee

Vision Sciences Society