

## Curriculum Vitae

### PETER M. VISHTON

October, 2016

#### **CONTACT INFORMATION**

Department of Psychology  
College of William and Mary  
Box 8795  
Williamsburg, VA 23187-8795  
(757) 221-3879 (office)  
(757) 778-9302 (lab)

534 Thomas Bransby  
Williamsburg, VA 23185  
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(757) 221-3896 (fax)

#### **EDUCATION**

- 1996 Ph.D., Psychology and Cognitive Studies  
Cornell University, Ithaca, NY
- 1991 B.A. with High Honors, Psychology and Computer Science  
Swarthmore College, Swarthmore, PA

#### **PROFESSIONAL EXPERIENCE**

- 2008 - present Associate Professor, Department of Psychology  
College of William and Mary, Williamsburg, Virginia
- 2004 - 2008 Assistant Professor, Department of Psychology  
College of William and Mary, Williamsburg, Virginia
- 2004 - present Faculty Affiliate, Neuroscience Program, College of William and  
Mary
- 2007, 2010-2013 Program Director, Developmental and Learning Sciences,  
National Science Foundation
- 2000 – 2004 Assistant Professor, Department of Psychology  
Northwestern University, Evanston, Illinois
- 2000 Human Interface Developer  
R. R. Donnelley & Sons Company, Chicago, Illinois
- 1999 - 2000 Adjunct Assistant Professor, Department of Psychological and  
Brain Sciences, Dartmouth College, Hanover, New Hampshire
- 1999 - 2000 Research Statistical and Design Associate, Tuck School of  
Business, Dartmouth College, Hanover, New Hampshire
- 1998 - 1999 Adjunct Assistant Professor, Department of Psychology  
University of Massachusetts, Amherst, Massachusetts
- 1998 Visiting Research Fellow, Institut des Sciences Cognitives  
CNRS, Lyon, France
- 1995 - 1999 Assistant Professor, Department of Psychology  
Amherst College, Amherst, Massachusetts

**RESEARCH INTERESTS**

Cognitive, Perceptual, and Motor Development; Visually-Guided Action; Visual Perception; Computational Vision and Motor Control; Human-Computer Interface

**HONORS AND AWARDS**

- |      |  |
|------|--|
| 2012 | Listed by Princeton Review as one of <i>Top 300 Professors</i> in the U.S.A.                         |
| 2008 | Alumni Fellowship Award, College of William and Mary   |
| 1994 | Cornell Cognitive Studies Program Fellowship   |
| 1991 | NIMH Developmental Training Grant Scholarship, Cornell University                                    |
| 1991 | Highest Honors Research Thesis, High Honors Degree, Swarthmore College External Examinations Program |
| 1991 | NSF Graduate Fellowship Competition, Commendation  |
| 1991 | Elected to Sigma Xi Society  |
| 1990 | Hans Wallach Research Prize  |

**GRANTS AWARDED**

- |             |  |
|-------------|--|
| 2009-2010   | ONR/SBIR, <i>Learning the Human Terrain</i> , (\$30,000 total costs), Eye Tracking Study Subcontractor.  |
| 2004 - 2007 | NSF, <i>HSD/DHB: Emergent Social Behaviors in Sensorimotor Control</i> , (\$534,048 total costs), Co-PI.   |
| 2001 - 2006 | NICHD/NIH, R01, <i>Reaching as a Yardstick for Infant Gestalt Perception</i> (\$849,375 total costs), PI.  |
| 1998 - 1999 | Trustee Faculty Fellowship, Amherst College, Support for research and travel during a one-year sabbatical (\$43,000 total costs), PI.                                  |
| 1997        | Lemelson Foundation, National Collegiate Inventors and Innovation Alliance, <i>FoolProof: A Word Processor Editing Enhancement System</i> (\$12,000 direct costs), PI. |
| 1994 - 1995 | NIH/NRSA, <i>Predictive reaching as a Yardstick for Early Infant Cognition</i> , PI.   |

**PUBLICATIONS**

*\*student authors*

Vishton, P.M. (2016). *Outsmart Yourself: Brain Based Secrets for a Better You*. [DVD Video and CD Audio, 24 lecture series]. United States: The Teaching Company.

Vishton, P. M., \*Jones, E. D., & Stevens, J. A. (2015). How preparation to touch or grasp alters visual size perception. *Cognitive Processing*, 16, 431-435.

Stevens, J. A., \*Duffie, V., & Vishton, P. M. (2015). Thoughts in space: the impact of environmental surround on cognitive processing. *Cognitive Processing*, 16, 409-412.

Vishton, P.M. (2014). *Scientific Secrets for Raising Kids Who Thrive* [DVD Video and CD Audio, 24 lecture series]. United States: The Teaching Company.

Stevens, J.A., \*Cole, W.G., & Vishton, P.M. (2012). Using touch or imagined touch to compensate for loss of proprioception. *Neurocase*, 18, 66-74.

Vishton, P.M. (2012). *Scientific Secrets for a Powerful Memory* [DVD Video and CD Audio]. United States: The Teaching Company.

Vishton, P.M. (2011). *Understanding the Secrets of Human Perception* [DVD Video and CD Audio, 24 lecture series]. United States: The Teaching Company.

Vishton, P.M., & \*Reardon, K.M., Stevens, J.A. (2010). Timing of anticipatory muscle tensing control: Responses before and after expected impact. *Experimental Brain Research*, 202, 661-7.

Vishton, P.M. (2009) *What Babies Can Do: An Activity-Based Guide to Infant Development* [DVD Video]. Williamsburg, VA: Power Babies and TNT Media, Inc.

Vishton, P.M., & \*Brito, N.H. (2008). Motor development. In N. Salkind, *Encyclopedia of Educational Psychology*. Thousand Oaks, CA: Sage Publications.

Vishton, P.M., Stephens, N.J., \*Nelson, L.A., \*Morra, S.E., \*Brunick, K.L., & Stevens, J.A. (2007). Planning to reach for an object changes how the reacher perceives it. *Psychological Science*, 18, 713-719.

Reed, K., Peshkin, M., Hartman, M.J., Grabowecky, M., Patton, J., & Vishton, P.M. (2006). Haptically linked dyads: Are two motor-control systems better than one? *Psychological Science*, 17, 365-366.

Vishton, P.M., \*Ware, E.A., & \*Badger, A.N. (2005). Different Gestalt processing for different actions?: Comparing object-directed reaching and looking time measures. *Journal of Experimental Child Psychology*, 90, 89-113.

Vishton, P.M. (2005). Using kitchen appliance analogies to improve students' reasoning about neurological results. *Teaching of Psychology*, 32, 106-109.

Vishton, P.M. (2004). Human vision focuses on information that is relevant to a task, to the detriment of information that is not. *Behavioral and Brain Sciences*, 27, 53-54.

Vishton, P.M., & \*Fabre, E. (2003). Effects of the Ebbinghaus illusion on different behaviors: One- and two-handed grasping; One- and two-handed manual estimation; Metric and comparative judgment. *Spatial Vision*, 16, 377-392.

Vishton, P.M. (2002). The emperor's new modules. (Invited review of *The New Phrenology: The Limits of Localizing Cognitive Processes in the Brain*, by W. Uttal, Cambridge: MIT Press, 2002.) *Trends in Cognitive Sciences*, 6, 103-104.

Vishton, P.M. (2002). The infant researcher's world. (Invited review of *The Infant's World*, by P. Rochat, Cambridge: Harvard University Press, 2001.) *Journal of Cognition and Culture*, 2, 227-228.

Marcus, G., \*Vijayan, S., Rao, S., & Vishton, P.M. (1999). Rule learning by seven-month-old infants. *Science*, *283*, 77-80.

Vishton, P.M., \*Rea, J.G., Cutting, J.E., & \*Nuñez, L. (1999). Comparing effects of the horizontal-vertical illusion on grip scaling and judgment: Relative vs. absolute, not perception vs. action. *Journal of Experimental Psychology: Human Perception and Performance*, *25*, 1659-1672.

Von Hofsten, C., Vishton, P.M., Spelke, E.S., Feng, Q., & Rosander, K. (1998). Predictive action in infancy: Tracking and reaching for moving objects. *Cognition*, *67*, 255-285.

Cutting, J.E., Vishton, P.M., Fluckiger, M., Baumberger, M., & Gerndt, J.D. (1997). Heading and path information from retinal flow in naturalistic environments. *Perception & Psychophysics*, *59*, 426-441.

Vishton, P.M., & Cutting, J.E. (1995). Wayfinding, displacements, and mental maps: Velocity fields are not typically used to determine one's aimpoint. *Journal of Experimental Psychology: Human Perception and Performance*, *21*, 978-995.

Cutting, J.E., & Vishton, P.M. (1995). Perceiving layout: The integration, relative dominance, and contextual use of different information about depth. In Epstein, W., & S. Rogers (Eds.), *Handbook of Perception and Cognition: Vol. 5: Perception of Space and Motion*. NY: Academic Press.

Cutting, J.E., Vishton, P.M., & Braren, P.A. (1995). How we avoid collisions with stationary and moving obstacles. *Psychological Review*, *102*, 627-651.

Spelke, E.S., Vishton, P.M., & von Hofsten, C. (1994). Object perception, object-directed action, and physical knowledge in infancy. In Gazzaniga, M. (Ed.), *The Cognitive Neurosciences*. Cambridge: MIT Press.

### **SUBMITTED MANUSCRIPTS**

*\*student authors*

Vishton, P.M., \*Ware, E.A., \*Covington, I.K., & Armbrust, J.R. (submitted). Assessing the Gestalt processing that accompanies object-directed reaching: Influence of visible separation, difference in shape, and difference in color.

Vishton, P.M., \*Higgins, A.N., \*Ware, E.A., \*Park, J.E., & \*Reddy, S.M. (submitted). Gestalt processing for infant object-directed reaching: The influence of separation and motion on disks and faces.

Vishton, P.M., \*Ferriman, K., & \*Sands, A. (submitted). Effects of the horizontal-vertical illusion on different "perception" and "action" behaviors: Two- and three-finger reaching, metric and comparative judgment.

## **MANUSCRIPTS IN PREPARATION OR UNDER REVISION**

### *\*student authors*

Vishton, P.M., \*Ware, E.A., & \*Mayuga, A. (in preparation). Dissociation of Gestalt processing for object-directed reaching and looking time behaviors: Common motion vs. visual separation.

Vishton, P.M., & \*Park, J. (in preparation). Influence of support relations on looking time and object-directed reaching.

Vishton, P.M. & Hayes, A.F. (under revision). Analysis of small sample infant data: Permutation and randomization tests.

Vishton, P.M. (in preparation). Assessment of a sequential stage model of visual-search-mediated action: Button pressing, pointing, and grip scaling.

Vishton, P.M., Simons, D.J., Cutting, J.E., & \*Tokuda, A. (under revision). The differential use of high spatial frequency information by actively and passively moving observers: When to listen to the back-seat driver.

Vishton, P.M., & \*Coulston, J.C. (in preparation). Is focus of attention associated with visually-controlled action sufficient to explain its relative immunity to pictorial illusions?

## **CONFERENCE PROCEEDINGS AND REPORTS**

Reed, K., Peshkin, M., Hartman, M.J., Patton, J., Vishton, P.M., & Grabowecky, M. (2006). Haptic cooperation between people, and between people and machines. *Proceedings of the International Conference on Intelligent Robots and Systems*. Beijing, China.

Salada, M. A., Colgate, J. E., Lee, M. V., & Vishton, P. M. (2002). Fingertip haptics: A novel direction in haptic display. *Proceedings of the 8th Mechatronics Forum International Conference*. University of Twente, Enschede, Netherlands.

Salada, M. A., Colgate, J. E., Lee, M. V., & Vishton, P. M. (2002). Validating a novel approach to rendering fingertip contact sensations. *Proceedings of the 10th IEEE Virtual Reality Haptics Symposium*. Orlando FL, pp. 217-224.

## **CONFERENCE & WORKSHOP PRESENTATIONS**

### *\*student authors*

Vishton, P.M. (2016). "The influence of physical constraints and object identity on object-directed reaching actions." Invited talk. Workshop on object processing and motor development. Collaborative Research Centre, German Research Foundation, Giessen, Germany.

Vishton, P.M. (2015). The Secret Life of Your Senses (The physiological hardware of human senses & workings of the sensory brain; How neurons translate energy into

electrical signals, the brain organizes this energy, and the mind represents the external world). Renaissance Weekend Conference, Charleston, SC.

Vishton, P.M. (2015). Secrets to a More Powerful Memory. Renaissance Weekend Conference, Charleston, SC.

Vishton, P.M. (2015). Super-charging Your Brain (How memory works & how your recall can be enhanced). Renaissance Weekend Conference, Charleston, SC.

Vishton, P. M., \*Jones, E. D., & Stevens, J. A. (2015). How preparation to touch or grasp alters visual size perception. Talk presented at the International Conference on Space and Cognition, Rome Italy.

Stevens, J. A., \*Duffie, V., & Vishton, P. M. (2015). Thoughts in space: the impact of environmental surround on cognitive processing. Talk presented at the International Conference on Space and Cognition, Rome Italy.

Vishton, P.M. (2015). Promoting the Development of Executive Function at Home and School. Keynote address presented at the annual Virginia Family and Consumer Sciences State Conference, Staunton, VA.

Vishton, P.M. (2015). Scientific Secrets for Raising Kids Who Thrive. Talk presented at the annual Virginia Family and Consumer Sciences State Conference, Staunton, VA.

Vishton, P.M. (2014). Where's the Parenting Manual? Panel discussant. Renaissance Weekend Conference, Charleston, SC.

Vishton, P.M. (2014). Understanding Human Perception and Action. Renaissance Weekend Conference, Charleston, SC.

Vishton, P.M. (2014). Scientific Secrets for a Powerful Memory. Renaissance Weekend Conference, Charleston, SC.

Vishton, P.M. (2009). Just do it! How Infants' Emerging Action Repertoire Shapes Perception, Cognition, Emotion, and Communication. Symposium discussant. Conference of the Society for Research in Child Development, Denver, Colorado.

\*Brito, N.H., \*Brunick, K.L., & Vishton, P.M. (2009). How Object Properties Influence the Frequency of Scale Errors During Object-Directed Reaching. Poster presented at the Conference of the Society for Research in Child Development, Denver, Colorado.

Vishton, P.M., \*Brito, N.H., & \*Brunick, K.L. (2007). Development of visual cognition: No pressing need to model results of shape-specific scale error studies. (Part of symposium: "To model or not to model—is that a central question?") Talk presented at the Cognitive Development Society Biennial Meeting, Santa Fe, New Mexico.

Vishton, P.M., \*Ware, E.A., & \*Park, J.E. (2005). Visual information specifying object boundaries: Contrasting reaching and looking behaviors. Talk presented at the Cognitive Development Society Biennial Meeting, San Diego, California.

\*Park, J.E., \*Ware, E.A., & Vishton, P.M. (2005). Infants' use of support knowledge in object-directed reaching. Poster presented at the Conference of the Society for Research in Child Development, Atlanta, Georgia.

\*Park, J.E., \*Ware, E.A., & Vishton, P.M. (2005). Infants' use of support knowledge in object-directed reaching. Poster presented at the Conference on New Approaches to Infant Learning and Cognition, Durham, North Carolina.

Vishton, P.M., \*Park, J.E., \*Ware, E.A., & Stevens, J.A. (2005). The emergence of Fitts' Law in infant object-directed reaching: Evidence of motor planning in 6-9-month-olds. Poster presented at the Conference of the Society for Research in Child Development, Atlanta, Georgia.

\*Ware, E.A., \*Park, J.E., & Vishton, P.M. (2005). Gestalt processing for infant object-directed reaching: The influence of separation and motion on disks and faces. Poster presented at the Conference of the Society for Research in Child Development, Atlanta, Georgia.

Vishton, P.M., \*Ware, E.A., \*Mayuga, A. (2004). Different Gestalt processes for reaching and looking behaviors?: Assessment of motion and separation cues. Poster presented at the International Conference on Infant Studies, Chicago, Illinois.

\*Ware, E.A., \*Covington, I.K., & Vishton, P.M. (2004). Gestalt processing and object-directed reaching: Assessment of shape and color cues to object separation. Poster presented at the International Conference on Infant Studies, Chicago, Illinois.

Vishton, P.M., & \*Badger, A.N. (2003). Infant gestalt perception and object-directed reaching: Effects of shape, color, and remembered spatiotemporal information. Talk presented at the Conference of the Society for Research in Child Development, Tampa, Florida.

Anggoro, F., Waxman, S., Lidz, J., Vishton, P., & Braun, I. (2003). Cross-linguistic exploration of the mappings between grammatical form and meaning. Poster presented at the Conference of the Society for Research in Child Development, Tampa, Florida.

Vishton, P.M., Smeets, J., Westwood, D., Glover, S., Dassonville, P., Mon-Williams, M. (2002). "Ventral" perception and "dorsal" action: Distinct systems or just distinct methods of research? Symposium presented at the Meeting of Society for Neural Control of Movement, Naples, FL.

Vishton, P.M., Spelke, E.S., von Hofsten, C., Feng, Q., & Rosander, K. (2001). Movement interpolation principles inherent in 6-month-olds' reaching for objects moving along novel paths. Poster presented at the Meeting of the Society for Neural Control of Movement, Sevilla, Spain.

Vishton, P.M., Roy, A., & Jeannerod, M. (2001). Effects of the horizontal-vertical illusion on two- and three-finger reaching for two- and three-dimensional targets. Poster presented at the "Espace et Action" conference on neural control of space coding and action production, Lyon, France.

Vishton, P.M., Simons, D.J., Cutting, J.E., & \*Tokuda, A. (2001). Differential use of high spatial frequency information for heading perception judgment and heading-mediated driving. Poster presented at the Vision Sciences Society Meeting, Sarasota, FL.

Corballis, P. M., Funnell, M. G., Vishton, P., & Gazzaniga, M. S. (2000). Size matching and grip scaling by the disconnected hemispheres of a callosotomy patient. *Journal of Cognitive Neuroscience*, 12 (Suppl.).

Marcus, G., \*Vijayan, S., Rao, S., & Vishton, P.M. (1999). Seven-month-old infants can learn rules. Poster presented at the Conference of the Society for Research in Child Development, Albuquerque, New Mexico.

Corballis, P. M., Funnell, M., Vishton, P., & Gazzaniga, M. S. (1999). Size matching and grip scaling by the disconnected hemispheres of a callosotomy patient. *Cognitive Neuroscience Society*, 7, 67.

Vishton, P.M., \*Stulac, S.N., & \*Calhoun, E.K. (1998). Using young infants' tendency to reach for object boundaries to explore perception of connectedness: Rectangles, ovals, and faces. Paper presented at the International Conference on Infant Studies, Atlanta, Georgia.

Marcus, G., \*Vijayan, S., Rao, S., & Vishton, P.M. (1998). 7-month-old infants can learn rules. Paper presented at the 23rd Annual Boston University Conference on Language Development, Boston, Massachusetts.

Vishton, P.M., & \*Stulac, S. (1997). Using reaching to assess 6-month-olds' understanding of the connectedness of a partly occluded object. Poster presented at the Conference of the Society for Research in Child Development, Providence, Rhode Island.

\*Schroeder, A., & Vishton, P.M. (1997). A computer-aided method of image presentation yields high levels of recognition accuracy in pre-schoolers. Poster presented at the Mount Holyoke College Undergraduate Research Forum, Hadley, Massachusetts.

Vishton, P.M., & \*Dicosavvas, S.S. (1997). Short-term memory for briefly, sequentially viewed images is very accurate. Poster presented at the Conference of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, Florida.

Vishton, P.M., Cutting, J.E., & \*Rea, J.G. (1997). Titchener circles and horizontal-vertical illusions do not affect manual prehension or judgements of absolute size. Mueller-Lyer illusion affects both. Poster presented at the Conference of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, Florida.



\*Giang, A., & Vishton, P.M. (1997). Computer word processors cause a reduction in proofreading accuracy. Presented at the Hughes Fellowship summer poster session.

Vishton, P.M., Spelke, E.S., von Hofsten, C., Feng, Q., & Rosander, K. (1996). Infant reaching is truly predictive and based on an inertia-like principle at 6 months of age. Poster presented at the Conference of the Society for Research in Child Development, Providence, Rhode Island.

Vishton, P.M., Cutting, J.E., & Simons, D.J. (1996). Driving simulation provides a more ecological assessment of human heading perception in foggy conditions. Paper presented at the Conference of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, Florida.

Vishton, P.M., & Cutting, J.E. (1995). (Nearly) Veridical size perception for action: Reaching versus estimating. Poster presented at the Conference of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, Florida.

Von Hofsten, C., Spelke, E.S., Feng, Q., & Vishton, P.M. (1994). Predictive reaching for occluded objects. Poster presented at the International Conference on Infant Studies, Paris, France.

Vishton, P.M., Nijhawan, R., & Cutting, J.E. (1994). Human observers utilize static depth cues in sensing direction of motion. Paper presented at the Conference of the Association for Research in Vision and Ophthalmology, Sarasota, Florida.

Cutting, J.E., & Vishton, P.M. (1994). Perceiving layout: The integration, relative dominance, and contextual use of different information about depth. Paper presented at the Conference of the Psychonomic Society, St. Louis, Missouri.

Von Hofsten, C., Spelke, E.S., Vishton, P.M., & Feng, Q. (1993). Principles of predictive catching in 6-month-olds. Paper presented at the Conference of the Psychonomic Society, Washington, D.C.

Vishton, P.M., Kellman, P.J., & Shipley, T.F. (1991). Scene perception under dynamic occlusion. Paper presented at the Conference of the Psychonomic Society, San Francisco, California.

### **CONSULTING EDITOR, PANELIST, AD HOC REVIEWER, ADVISORY BOARD MEMBER**

National Science Foundation Panelist; Science and Technology Centers, 2015.

“Databrary” Advisory Board Member, Databrary.org, 2012-present.

Consulting Editor, *Child Development*, 2008-2014.

National Institutes of Child Health and Development; Perception and Cognition Review Panelist; Spring, 2005.

National Science Foundation Panelist; Developmental and Learning Sciences; 2005-2007.

National Science Foundation Panelist; Human Perception, Action, Cognition; 2002-2005.

National Institutes of Health; Perception and Cognition Review Panelist; Spring, 2005.

Society for Research in Child Development, Program Panelist, 2006.

*Acta Psychologica*  
*Cognitive Neuroscience*  
*Cognitive Psychology*  
*Developmental Science*  
*Experimental Brain Research*  
*Infancy*  
*Infant Behavior and Development*  
*Journal of Cognition*  
*Journal of Cognitive Neuroscience*  
*Journal of Experimental Biology*  
*Journal of Experimental Psychology: Human Perception & Performance*  
*Language Learning and Development*  
*Perception*  
*Perception & Psychophysics*  
*Psychological Review*  
*Psychological Science*  
*Psychonomic Bulletin & Review*  
*Spatial Vision*  
*Transactions on Applied Perception*  
*Trends in Cognitive Sciences*  
*Vision Research*  
 U.S.A.F. Office of Scientific Research  
 National Science Foundation, Ad hoc reviewer  
 National Institutes of Health, Ad hoc reviewer  
 Fonds National Suisse De La Recherche Scientifique, Ad Hoc Reviewer

**BOOK / TEXTBOOK REVIEWER**

*Research Methods in Applied Settings: An Integrated Approach to Design and Analysis, 3rd Edition*, by Jeffrey A. Gliner, George A. Morgan, and Nancy L. Leech, 2015.  
*Developmental Psychology*, by F. Keil, New York: W.W. Norton and Company, 2007.  
*The New Phrenology: The Limits of Localizing Cognitive Processes in the Brain*, by W. Uttal, Cambridge: MIT Press, 2002.

**PROFESSIONAL AFFILIATIONS**

American Psychological Association  
 American Psychological Society  
 International Society of Infant Studies  
 Sigma Xi Research Society  
 Society for Research in Child Development

**INVITED TALKS**

2015	"Influence of Object Size and Identity on Children's Action Choices....., also Silent SpongeBob Movies," University of Virginia, Charlottesville, VA.
2014	"Scientific Secrets for a Powerful Memory," One Day University, New York, NY.
2014	"Scientific Secrets for a Powerful Memory," One Day University, Dallas, TX.
2014	"Scientific Secrets for a Powerful Memory," One Day University, Minneapolis, MN.
2014	Psychology Department, Georgetown University, Washington, DC.

2011	Cognitive Science Speaker Series, University of Maryland, College Park, MD.
2008	Cognitive Science Department, Johns Hopkins University, Baltimore, MD.
2007	Department of Psychology, University of Iowa, Iowa City, IA.
2007	February, 2007. University of Connecticut, Storrs, CT.
2007	January, 2007. Duke University, Durham, NC.
2005	Psychology Department, University of Virginia, Charlottesville, VA.
1999	Psychology Department, University of Chicago, Chicago, IL.
1999	Psychology Department, Yale University, New Haven, Connecticut.
1998	Institut des Sciences Cognitives, C.N.R.S, Lyon, France.
1997	New England College of Optometry, Boston, MA.
1997	Psychology Department, Gettysburg College, Gettysburg, PA.
1997	Nissan Center for Basic Research, Cambridge, MA.
1996	Vision Laboratory, Harvard University, Cambridge, MA.
1995	Developmental Science, University of Massachusetts, Amherst, MA.

### **COURSES TAUGHT**

Psychology 317: Sensation and Perception (William and Mary; 2010-2015).

Psychology 618 and 619: Professional Development (William and Mary; Fall and Spring, 2006-2008).

Psychology 453: Infant Development Seminar (William and Mary; Fall, 2007-2008; 2013-2015).

Psychology 201: Introduction to Psychology as a Natural Science (William and Mary; 2005-2015).

Psychology 310: Developmental Psychology (William and Mary; Fall, 2004; Spring, 2005; Fall, 2005; Spring, 2006; Fall, 2006; 2010-2015).

Psychology 410: Advanced Research Seminar in Developmental Psychology (William and Mary; Spring, 2005; Spring 2006; 2010-2014).

Psychology 301: Elementary Statistics (William and Mary; Fall, 2004).

Cognitive Science 398: Honors Seminar (Northwestern; 2001-2003).

Psychology 228: Introduction to Cognitive Psychology (Northwestern; 2001-2003).

Psychology 110: Introduction to Psychology (Northwestern; 2002).

Psychology 451: Statistics in Experimental Design (Northwestern; 2001-2003).

Psychology 64: Cognitive Development Seminar (Amherst College; 1998).

Psychology 34: Cognitive Psychology (Amherst College; 1995-1998).

Psychology 38: Sensation and Perception (Amherst College; 1997-8).

Psychology 22: Statistics and Experimental Design (Amherst College; 1996-8).

Psychology 29: Human Learning and Memory (Amherst College; Fall, 1995).

Psychology 33: The Cognition of Human Learning and Memory (Amherst College; 1996-7).

Psychology 62: Cognition and Action Seminar (Amherst College; 1996-7).

Psychology 214: Cognitive Psychology (Cornell University; 1995).

Psychology 103: Psychology at Work (Cornell University; 1993).

### **HONORS AND GRADUATE THESIS ADVISING**

Evan D. Jones (2014-2016, College of William and Mary). Unconscious vs. conscious perception and illusions.

Kathryn A. Holt (2009-2010, College of William and Mary). The temporal dynamics of the shift from perception to action modes of visual processing.

- Kristin M. Reardon (2008-2009, College of William and Mary). Physical principles inherent in anticipatory muscle tensing during catching.
- Kaitlin Brunick (2007-8, College of William and Mary). The influence of language on scale error behaviors in early childhood.
- Natalie H. Brito (2007-2008, College of William and Mary). The influence of shape, color, and object identity on children's scale error behaviors.
- Alanna Higgins (2002-3, Northwestern University). Gestalt processing for infant object-directed reaching: The influence of separation and motion on disks and faces.
- Amy Badger (2001-2002, Northwestern University). Different Gestalt processing for different actions?: Comparing object-directed reaching and looking time measures.
- Eliza Calhoun (1997-8, Amherst College). Further studies of object-directed reaching in early infancy.
- Alejandro Reti (1997-8, Amherst College). Effects of computer media on the writing process.
- Sujith Vijayan (1997, Amherst College). Linguistic rule-learning capacities in young infants: Reasons to doubt the constraints of "eliminative" connectionist models.
- Jacqueline Rea (1996-7, Amherst College). Comparing the use of molecular and molar imaging techniques for improving the accuracy of eyewitness face recognition.
- Savvas Diacosavvas (1996, Amherst College) Modality differences in short term sensory processing: Modality-specific systems or modality-specific assessment techniques.
- Sara Stulac (1995-6, Amherst College). Infant object perception as studied through reaching for center-occluded objects: A perception-action approach.
- Rebecca Bloch (1995-6, Amherst College). The effect of acceleration and orientation on patterns of predictive reaching in infancy: Why do young children have difficulty catching a thrown ball?
- Stephanie Taddei (1995-6, Amherst College). Out of sight, out of mind: Indications of object permanence in infants.
- Jacqueline Puentes (1995-6, Amherst College). Improving eyewitness accuracy through holistic recall of facial information.

### **ACADEMIC COMMITTEES AND OTHER SERVICE ACTIVITIES**

- William and Mary, Dean of Undergraduate Studies Search Committee, 2015.
- William and Mary, Ombudsperson for Graduate Arts and Sciences, 2014-present.
- William and Mary, Educational Policy Committee, 2014-present. Co-chair, 2016.
- William and Mary, Department Research Committee, Chair, 2013-present.
- William and Mary, Psycholinguistics Faculty Search Committee, Chair, 2013-present.
- William and Mary, Protection of Human Subjects Committee, 2006-present.
- William and Mary, Department Public Relations Committee, 2009-2010.
- William and Mary, Cross Cultural Faculty Search Committee, 2009.
- William and Mary, Psychology Director of Graduate Studies, 2006-2008.
- William and Mary, College Committee on Graduate Studies, 2006-2008.
- Williamsburg Montessori School, Vice Chair and Finance Committee Member, 2008-2010.
- Williamsburg Montessori School, Board Member, 2006-2008.
- Port Anne Homeowners Association, Board Member and Treasurer, 2005-2006.
- William and Mary, Psychology Library Representative, 2005-2008.
- William and Mary, Freshman Advisor, 2005-2008.
- William and Mary, Psychology, Emotion Faculty Search Committee, Chair, 2005.
- William and Mary, Psychology, Graduate Studies Committee, 2004-2008.

Northwestern, Psychology, Computer Committee, 2000-2004.

Northwestern, Psychology Web Page, Faculty Advisor, 2000-2004.

Northwestern, Psychology, Cognitive Area Graduate Admissions Committee, Member, 2000-2002.

Northwestern, Cognitive Science Program Committee, 2001-2004.

Northwestern, Cognitive Science, Undergraduate Academic Advisor, 2001-2003.

Northwestern, Cognitive Science, Director of Undergraduate Studies, 2001-2003.

Northwestern, Linguistics Psycholinguistics Search Committee, External Member, 2002-2003.