JASON H. WONG, PH.D.

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EDUCATION

- Ph.D. Psychology (Human Factors & Applied Cognition), May 2009
  George Mason University, *Fairfax, Virginia*
  - Advisor: Dr. Matthew Peterson
  - Dissertation Title: "Exploring Memory-Driven Contributions to Oculomotor Capture by Objects and Locations"
- M.A. Psychology (Human Factors & Applied Cognition), May 2006
  George Mason University, *Fairfax, Virginia*
- B.S. Psychology, May 2004
  University of Illinois at Urbana-Champaign, *Urbana, Illinois*
  - Minors in Computer Science and Information Technology Studies

PROFESSIONAL EXPERIENCE

- Human Factors Scientist, June 2009 – Present
  Naval Undersea Warfare Center, *Newport, Rhode Island*
  - Evaluated combat systems components in support of human-systems integration objectives.
  - Developed new training methods to more efficiently and effectively teach sailors new skills.
  - Created cognitive models to examine decision making in critical submarine operations.
- Graduate Research Assistant, July 2004 – May 2009
  George Mason University, *Fairfax, Virginia*
  - Explored visual attention and memory using behavioral and neuroscience techniques.
  - Applied cognitive theories to real-world domains such as video games training research.
  - Advised several undergraduate students in experimental methodology and data analysis.

TEACHING EXPERIENCE

- Cognitive Psychology, George Mason University, January 2006 – May 2007
  - Chose a textbook and produced all class materials including the syllabus, slides, and exams.
  - Managed a teaching assistant and learned to delegate administrative responsibilities.
- Basic Concepts in Psychology, George Mason University, May 2007 – June 2007
  - Taught an intensive four-week section comprised of a majority of non-psychology majors.
  - Adapted a curriculum tailored to maximizing learning despite a compressed class schedule.

AWARDS, HONORS, AND SERVICE

- 2007-2009 SMART Scholarship for Service award through the U.S. Department of Defense.
- 2007-2008 graduate student representative on the GMU Undergraduate Psychology Committee.
- 2007 Outstanding Graduate Student Instructor in the GMU Department of Psychology.
- 2006 National Ergonomics Month Honor Roll for introducing students to human factors.

REFEREED PUBLICATIONS

- Wong, J.H. & Peterson, M. S. (under review). Exploring the interaction between object memory-driven and saliency-driven oculomotor capture signals. *Journal of Experimental Psychology: Human Perception and Performance.*
- Wong, J. H., Peterson, M. S., Thompson, J. C. (2008). Visual working memory capacity for objects from different categories: A face-specific maintenance effect*. Cognition*, *108*(3), 719-731.
- Peterson, M.S., Beck, M.R. & Wong, J. H. (2008). Were you paying attention to where you looked? The role of executive working memory in visual search. *Psychonomic Bulletin & Review*, *15*(2), 372-377.
- Wong, J. H., Peterson, M.S. & Hillstrom, A. P. (2007). Are changes in semantic and structural information sufficient for oculomotor capture?. *Journal of Vision*, *7*(12), 1-10.

NON-REFEREED PUBLICATIONS

- Wong, J. H. (2008). Book Review: Attention: From Theory to Practice. *Ergonomics in Design, 16*(1), 33.
- Wong, J. H. (2005). Software Review: SynWin Version 1.2. *Ergonomics in Design, 13*(4), 30-32.

POSTERS AND PRESENTATIONS

- Smith, C. F., Tsai, Y. D., Wong, J. H., Brooks, D. T. & Peterson, M. S. (2008). More than meets the eye: Investigating expert and novice differences in an action video game. *8th Annual Meeting of the Vision Sciences Society*, Naples, Florida.
- Wong, J. H., Peterson, M. S. & Thompson, J. C. (2008). Object similarity in visual working memory: A face-specific memory effect. *8th Annual Meeting of the Vision Sciences Society*, Naples, Florida.
- Brooks, D. T., Smith, C. F., Tsai, Y. D., Wong, J. H. & Peterson, M. S. (2008). The effect of videogame expertise on eye movements and visual attention. *2008 APA Division 19/21 Mid-Year Symposium*, Fairfax, Virginia.
- Wong, J. H. & Peterson, M. S. (2007). Identifying a target during visual search affects the contents of working memory. *7th Annual Meeting of the Vision Sciences Society*, Sarasota, Florida.
- Hillstrom, A. P., Wong, J. H. & Peterson, M. S. (2007). Identity Change and Oculomotor Capture. *7th Annual Meeting of the Vision Sciences Society*, Sarasota, Florida.
- Wong, J. H., Hillstrom, A. P. & Peterson, M. S. (2006). Morphed objects do not capture the eyes. *6th Annual Meeting of the Vision Sciences Society*, Sarasota, Florida.
- Peterson, M. S., Beck, M. R. & Wong, J. H. (2006). Effects of executive functioning on visual search. *6th Annual Meeting of the Vision Sciences Society*, Sarasota, Florida.
- Wong, J. H., Hillstrom, A. P. & Chai, Y. (2005). Which changes to objects disrupt object constancy? *5th Annual Meeting of the Vision Sciences Society*, Sarasota, Florida.
- Wiegmann, D. A., McCarley, J. S., Wickens, C. D., Kramer, A. F. & Wong, J. H. (2003). Operators' Use of Imperfect Automation in Luggage Screening. *111th Annual Convention of the American Psychological Association*, Toronto, Canada.