

# Jason Rajsic

# Curriculum Vitae

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## Personal Information

Office Address: 404 Wilson Hall  
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## Education & Employment

2017- Vanderbilt University, Nashville, TN

Position: Post-doctoral Scholar  
Visual Cognitive Neuroscience Lab  
Supervised by Geoffrey F. Woodman, Ph.D.

2013-2017 University of Toronto, Toronto, Ontario

Major: Psychology (Perception, Cognition, & Cognitive Neuroscience)  
Degree: Ph.D.  
Dissertation: Confirmation Bias in Visual Attention  
Supervised by Jay Pratt, Ph.D.

2009-2011 Queen's University, Kingston, Ontario

Major: Psychology (Brain, Behaviour and Cognitive Science)  
Degree: M.Sc.  
Thesis: The Effects of Visual Working Memory on Appearance  
Supervised by Daryl E. Wilson, Ph.D.

2005-2009

Queen's University, Kingston, Ontario

Major: Psychology  
Minor: Philosophy  
Degree: B.A. (Hons)  
Honours: Graduated with Distinction (+80% overall)  
Thesis: Effect of Feature-Based Cueing on Visual Spatial Resolution  
Supervised by Daryl Wilson, Ph.D.

## Published Papers

Rajsic, J., Burton, J. A., & Woodman, G. F. (accepted). The contralateral delay activity tracks the storage of visually presented letter and words. *Psychophysiology*.

Hilchey, M. D., Weidler, B. J., Rajsic, J., & Pratt, J. (accepted). Does changing distractor environments eliminate spatiomotor biases? *Visual Cognition*.

Huffman, G., Rajsic, J., & Pratt, J. (accepted). Ironic capture: Top-down expectations exacerbate distraction in visual search. *Psychological Research*.

Lowe, M. X., Rajsic, J., Ferber, S., & Walter, D. B. (accepted). Discriminating scene categories from brain activity within 100ms. *Cortex*.

Hilchey, M. D., Rajsic, J., Huffman, G., Klein, R. M., & Pratt, J. (2018). Dissociating orienting biases from integration effects with eye movements. *Psychological Science*, 29(3), 328-339.

Rajsic, J. & Pratt, J. (2017). More than a memory: Confirmatory visual search is not caused by remembering a visual feature. *Acta Psychologica*, 180, 169-174.

Rajsic, J., Liu, H., & Pratt, J. (2017). Eye movements can cause item-specific visual recognition advantages. *Visual Cognition*, 25(9-10), 903-912.

Harrison, G. W., Rajsic, J., & Wilson, D. E. (2017). Temporal Trimming: Evidence that common onset masking shortens perceptual sampling of conscious object representations. *Attention, Perception, & Psychophysics*, 79(7), 2171-2178.

Hilchey, M. D., Rajsic, J., Huffman, G., & Pratt, J. (2017). Response-mediated spatial priming despite perfectly valid target location cues and intervening response events. *Visual Cognition*, 25(9-10), 888-902.

Lowe, M. X., Rajsic, J., Gallivan, J. P., Ferber, S., & Cant, J. S. (accepted). Neural representation of geometry and surface properties in object and scene perception. *NeuroImage*, 157, 586-597.

- Rajsic, J., Ouslis, N., Wilson, D. E., & Pratt, J. (2017). Looking Sharp: Becoming a search template boosts precision and stability in visual working memory. *Attention, Perception, & Psychophysics*, 79(6), 1643-1651.
- Rajsic, J., Swan, G., Wilson, D. E., & Pratt J. (2017). Accessibility Limits Recall from Visual Working Memory. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 43(9), 1415-1431.
- Hilchey, M. D., Rajsic, J., Huffman, G. & Pratt, J. (2017). Intervening response events between identification targets do not always turn repetition benefits into repetition costs. *Attention, Perception, & Psychophysics*, 79(3), 807-819.
- Rajsic, J., Wilson, D. E., & Pratt, J. (2017). The price of information: Increased inspection costs reduce the confirmation bias in visual search. *Quarterly Journal of Experimental Psychology*: DOI: 10.1080/17470218.2016.1278249
- Rajsic, J. Taylor, J. E. T., & Pratt, J. (2017). Out of sight, out of mind: Matching bias underlies confirmatory visual search. *Attention, Perception, & Psychophysics*, 79(2), 498-507.
- Rajsic, J., Perera, H., & Pratt, J. (2017). Learned value and object perception: Accelerated perception or biased decisions? *Attention, Perception, & Psychophysics*, 79(2), 603-613.
- Chan, D., Rajsic, J., & Pratt, J. (2016). Go-getters and procrastinators: Investigating individual differences in visual cognition across university semesters. *Vision Research*, 141, 317-324.
- Rajsic, J., Sun, S., Huxtable, L., Pratt, J., & Ferber, S. (2016). Pop-out and pop-in: Visual working memory advantages for unique items. *Psychonomic Bulletin & Review*, 23(6), 1787-1793.
- Taylor, J. E. T., Rajsic, J., & Pratt, J. (2016). Object-based Selection is Contingent on Attentional Control Settings. *Attention, Perception, & Psychophysics*, 78(4), 988-995.
- Harrison, G. W., Rajsic, J., & Wilson, D. E. (2016). Object-Substitution Masking Degrades the Quality of Conscious Object Representations. *Psychonomic Bulletin & Review*, 23(1), 180-186.
- Rajsic, J., Wilson, D. E., & Pratt, J. (2015). Confirmation Bias in Visual Search. *Journal of Experimental Psychology: Human Perception & Performance*, 41(5), 1353-1364.
- Rajsic, J. & Wilson, D. E. (2014) Asymmetrical access to color and location in visual working memory. *Attention, Perception, & Psychophysics*, 76(7), 1902-1913.

Rajsic, J., Bi, Y., & Wilson, D. E. (2013). Long-term facilitation of return: A response-retrieval effect. *Psychonomic Bulletin & Review*, 21(2), 418-424.

### **Refereed abstracts**

Rajsic, J., Zhao, C., & Woodman, G. F. (2018). We remember what we looked for more precisely when search is difficult. *Journal of Vision*.

Lowe, M. X., Rajsic, J., Ferber, S. & Walter, D. B. (2017). Category discrimination of early electrophysiological responses reveals the time course of natural scene perception. *Journal of Vision*.

Rajsic, J. & Pratt, J. (2017). More than a memory: Confirmatory visual search does not occur when target colors are merely remembered. *Journal of Vision*.

Rajsic, J., Sun, S., Huxtable, L., Pratt, J., & Ferber, S. (2016). Hungry, hungry, singletons: Unique objects eat up visual working memory resources. *Journal of Vision*.

Rajsic, J., Wilson, D. E., & Pratt, J. (2015). Investigating Confirmation Bias in Overt Visual Search. *Journal of Vision*.

Rajsic, J., Wilson, D. E., & Pratt, J. (2014). Confirmation Bias in Visual Search. *Journal of Vision* 14(9). doi:10.1167/14.10.927

Rajsic, J. & Wilson, D. E. (2013). Comparison limits in change detection. *Journal of Vision* 13(9). 323. doi:10.1167/13.9.323

Rajsic, J., & Wilson, D. E. (2012) Remembering where: Estimated precision and memory for visual objects is better when retrieving location with colour. *Visual Cognition*, 20(9), 1036-1039. doi: 10.1080/13506285.2012.726477

Rajsic, J., Bi., Y., & Wilson, D. E. (2012) Spatial allocation of attention: Motor conflict contributions. *Journal of Vision*, 12(9): 556. doi: 10.1167/12.9.566

Rajsic, J. & Wilson, D. E. (2011) Does covert attention alter perceived contrast? Evidence from gender perception. *Journal of Vision*, 11(1): 246. doi: 10.1167/11.11.246

Rajsic, J. & Wilson, D. E. (2010) Effect of feature-based cueing on perceptual experience. *Journal of Vision*, 10(7): 173. doi: 10.1167/10.7.173

### **Non-refereed presentations**

Rajsic, J. Hilchey, M. D., Pratt, J. (2017). Visual working memory load increases stimulus-response repetition benefits. *Annual Meeting of the Psychonomics Society*, Vancouver, BC.

- Rajsic, J., Ouslis, N., Wilson, D. E., & Pratt, J. (2016). Looking sharp: Becoming a search template boosts precision and stability in visual working memory. *Annual Meeting of the Psychonomic Society*, Boston, MA.
- Rajsic, J., Perera, H., & Pratt, J. (2015). Reward history leads to prior entry: Evidence from temporal order judgements. *Annual Meeting of the Psychonomic Society*, Chicago, IL.
- Wilson, K. E., Rajsic, J., Ruppel, J., Shen, J., & Ferber, S. (2015) Predicting precision: Personality predicts the resolution of VWM representation. *Cognitive Neuroscience Society 23<sup>rd</sup> Annual Meeting*, San Francisco, CA.
- Rajsic, J., Wilson, D. E., & Pratt, J. (2015) Controlled stimulus selection attenuates confirmation bias in visual search. *International Convention of Psychological Science*, Amsterdam, Netherlands. Poster Presentation.
- Rajsic, J., Sun, S., Huxtable, L., Pratt, J., & Ferber, S. (2015) Hungry, hungry, singletons: Do unique objects eat up visual working memory resources? *Lake Ontario Visionary Establishment Annual Meeting, Niagara Falls, ON*. Poster Presentation.
- Rajsic, J., Wilson, D. E., & Pratt, J. (2014) Confirmation bias in visual search. *Canadian Society for Brain, Behaviour and Cognitive Science 24th Annual Meeting*, Toronto, ON. Oral Presentation.
- Rajsic, J. & Wilson, D. E. (2013) On the role of cue information in visual working memory precision and capacity. *Object Perception, Attention, and Memory 21st Annual Meeting*, Toronto, ON. Poster Presentation
- Rajsic, J., Wilson, D. E., Kelley, E., Hall, L., & Furlano, R. (2013). Development of a Cognitive Training Program for Treatment of Attentional Difficulties. *NeuroDevNet Brain Development Conference*, Vancouver, BC. Poster Presentation.
- Rajsic, J., Yu, D., & Wilson, D. E. (2013) Interactions between remembered visual features and search performance. *Canadian Society for Brain, Behaviour and Cognitive Science 23rd Annual Meeting*, Calgary, AB. Poster Presentation.
- Harrison, G. W., Rajsic, J., & Wilson, D. E. (2012) The effect of cue-size on global and local processing. *Canadian Society for Brain, Behaviour and Cognitive Science 22nd Annual Meeting*, Kingston, ON. Poster Presentation.
- Kelley, E., Wilson, D. E., Ladwig, E., Hall, L., Furlano, R., & Rajsic, J. (2012). Improvements in executive functioning after videogame training. *Brain Development Conference*, Toronto, ON. Poster Presentation.
- Wilson, D. E., Kelley, E., Ladwig, E., Rajsic, J., Hall, L., & Furlano, R. (2012) Development of an adaptive cognitive training program for treatment of

- attentional difficulties. *Brain Development Conference*, Toronto, ON. Poster Presentation.
- Yoon, W. S., Rajsic, J., & Wilson, D. E. (2012) Impact of visual search training on the efficiency of saccadic deployment. *Canadian Society for Brain, Behaviour and Cognitive Science 22nd Annual Meeting*, Kingston, ON. Poster Presentation.
- Rajsic, J. & Wilson, D. E. (2011) Does covert attention alter perceived contrast? Evidence from gender perception. *Object Perception, Attention, and Memory 19th Annual Meeting*, Seattle, WA. Poster Presentation
- Rajsic, J. & Wilson, D. E. (2011) Does covert attention alter perceived contrast? Evidence from gender perception. *Canadian Society for Brain, Behaviour, and Cognitive Science 21st Annual Meeting*, Winnipeg, MB. Poster Presentation.
- Bi, Y., Rajsic, J., & Wilson, D. E. (2011) Inhibition of return: Attentional and motor conflict contributions. *Canadian Society for Brain, Behaviour, and Cognitive Science 21st Annual Meeting*, Winnipeg, MB. Poster Presentation.
- Rajsic, J. & Wilson, D. E. (2010) The effect of feature-based attention on spatial resolution. *Object Perception, Attention, and Memory 18th Annual Meeting*, St. Louis, MO. Poster Presentation.
- Rajsic, J. & Wilson, D. E. (2010) Influence of feature-based cues on spatial resolution. *Canadian Society for Brain, Behaviour, and Cognitive Science 20th Annual Meeting*, Halifax, NS. Poster Presentation

## **Honours and Awards**

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|-----------|---------------------------------------------------------------------------------------------|
| 2014      | NSERC Postgraduate Doctoral Scholarship (\$21,000 x 3yr)                                    |
| 2013      | Ontario Graduate Scholarship (declined)                                                     |
| 2012      | Nominee for Frank Knox Award for Excellence in Teaching                                     |
| 2012      | Canadian Psychological Association Certificate of Academic Excellence: Best Master's Thesis |
| 2012      | Certificate of Teaching Excellence: Teaching Assistant Award                                |
| 2012      | Queen Elizabeth II Graduate Scholarship in Science and Technology (\$15,000)                |
| 2012      | Brian R. Shelton Graduate Fellowship (\$4,000)                                              |
| 2011-2012 | R.S. McLaughlin Fellowship, (\$10,000)                                                      |

2009-2010	Queen's Graduate Award, (~\$10,000)
2009	Arts and Science Graduate Growth Funding, (\$1,000)
2005-2006	Royal Bank of Canada Scholarship, (\$1000)
2005	Ontario Provincial Police Scholarship, (\$400)

### **Professional Positions**

2017-	<p>Postdoctoral Scholar, Vanderbilt University Supervisor: Geoffrey F. Woodman</p>
2013-2017	<p>Teaching Assistant, Department of Psychology, Univ. of Toronto. Part-time position.</p> <p>Duties: Hold office hours, correspond with students, grade student assessments, lecture, lead tutorials.</p> <p>Courses: Statistics I (Psy201), Personality and its Transformations (Psy230), Vision Science (Psy380), Physiology and Psychology of Emotion (Psy494), Statistics II (Psy202), Why Numbers Matter (Sta201), Introduction to Statistical Reasoning and Data Science (Sta130), Cognitive Psychology</p> <p>Supervisors: Ashley Waggoner-Denton, Ph.D.; Dan Dolderman, Ph.D.; Nathan Insel, Ph.D.; Jessica Hughes, M.A.; Gillian Rowe, Ph.D.; Jeffrey Rosenthal, Ph.D.; Susanne Ferber, Ph. D.; John Vervaeke, Ph. D.</p>
2012	<p>Teaching Fellow: Department of Psychology, Queen's University. Part-time position.</p> <p>Duties: Design course structure and materials, give lectures, evaluate student performance.</p> <p>Course: Laboratory in Attention (25 students).</p>
2010-2012	<p>Teaching Assistant: Department of Psychology, Queen's University. Part-time position.</p> <p>Duties: Hold office hours, maintain course webpages, grade student assessments, and assist in development of course activities.</p>

Courses: Sensation and Perception (Psyc 215), Research Methods (Psyc 203), Experimental Psychology: Perception, Laboratory in Attention (Psyc 323).

Supervisors: Nikolaus Troje, Ph.D.; Daryl Wilson, Ph.D.

2011 Contract Writer: Department of Psychology, Queen's University. Part-time position.

Duties : Write and edit chapter notes, which served as lecture-notes for first-year Psychology correspondence course.

Supervisor: Ingrid Johnsrude, Ph.D.

2009 Research Assistant: Attention Lab and Biomotion Lab, Queen's University. Part-time summer position.

Duties: Program experimental stimuli using Matlab and Vizard Virtual Reality Toolkit, perform literature review.

Supervisors: Daryl Wilson, Ph.D.; Nikolaus Troje, Ph.D.

### **Volunteer Positions**

2016-2017 Organizer of Science Rendezvous booth, Psychology Graduate Students Association, University of Toronto

2014-2016 Secretary, Psychology Graduate Students Association, University of Toronto

2014- 2016 Graduate Seminar Series Organizer, Psychology Graduate Students Association, University of Toronto

2012 Volunteer Organizer, CSBBCS Annual Meeting, Queen's University

2011-2013 Secretary, Association of Graduate Students in Psychology, Queen's University

2011-2013 Student Representative for Brain, Behaviour, and Cognitive Science Program, Association of Graduate Students in Psychology, Queen's University

### **Membership in Professional Associations**

2014-2016 Association for Psychological Science (Member)



2010-

Vision Sciences Society (Predoctoral Member)

2010-2014

Canadian Society for Brain, Behaviour, and Cognitive Science  
(Associate Member)