

# Katherine Wood

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## Education

- 2015 - Present      PhD in Psychology  
University of Illinois Urbana-Champaign  
Interim MS in Psychology obtained in 2017  
Masters Thesis: Similarity and feature dimensions in inattentional blindness
- 2015                  B.A. in Psychology  
University of California Berkeley  
Highest Honors in Psychology  
Highest Distinction in General Scholarship

## Research

- 2015 - Present      The Visual Cognition Laboratory  
Graduate Student Researcher, NSF Fellow  
University of Illinois Urbana-Champaign  
PI: Daniel J. Simons
- 2013 - 2015        The Whitney Lab  
Undergraduate Research Assistant  
University of California Berkeley  
Advisor: David Whitney

## Employment

- 2018                  **Core Data Science Intern**  
Facebook  
*Big data (Hive, Spark, Presto), exploratory analysis and visualization, gradient-boosted decision tree (GBDT) modeling, user studies.*
- 2017 - 2018        **Programmer and consultant**  
UIUC Kinesiology Department  
*Created a Mechanical Turk pipeline for a study on trauma and recovery using boto3 for Python, TurkGate, Qualtrics, and custom qualifications.*

2017 - 2018

**Programmer and statistical consultant**

Mazar/Srull Replication

Registered Replication Reports, *Perspectives on Psychological Science*

*Conducted planned and exploratory meta-analysis and meta-regression in R. Created visualizations.*

2016 - 2017

**Programmer and statistical consultant**

Dijksterhuis Replication

Registered Replication Reports, *Perspectives on Psychological Science*

*Programmed cross-platform experiment in Python. Conducted planned and exploratory meta-analysis in R. Created visualizations with ggplot2. Provided technical and localization support.*

## Publications

Wood, K. & Simons, D. J. (2018). Processing without noticing in inattention blindness: A replication of Moore & Egeth (1997) and Mack & Rock (1998). In press at *Attention, Perception, & Psychophysics*. Preprint at <https://osf.io/at9re/>.

Yao, R., **Wood, K.**, & Simons, D. J. (2018). As if by magic: An abrupt change in motion direction induces change blindness. In press at *Psychological Science*.

Wood, K. & Simons, D. J. (2017). The role of similarity in inattention blindness: Selective enhancement, selective suppression, or both? *Visual Cognition*, 10, 972-980. <http://doi.org/10.1080/13506285.2017.1365791>

Wood, K. & Simons, D. J. (2017). Selective attention in inattention blindness: Selection is specific but suppression is not. *Collabra: Psychology*, 3(1), 19. <http://doi.org/10.1525/collabra.90>

Wood, K. & Simons, D. J. (2017). Reconciling change blindness with long-term memory for objects. *Attention, Perception, & Psychophysics*, 79(2), 438-448. doi:10.3758/s13414-016-1240-2

Wolfe, B. A., Kosovicheva, A. A., Leib, A. Y., **Wood K.**, & Whitney, D. (2015). Foveal input is not required for perception of crowd facial expressions. *Journal of Vision*, 15(4):11. doi: 10.1167/15.4.11.

## Presentations and Talks

Wood, K. (2018). What AI researchers can learn from psychology's reproducibility crisis. Invited talk to the Deep Learning Reading Group in the UIUC Computer Science department.

Wood, K., & Simons, D. (2017). Attention sets in sustained inattention blindness are category-based. *Journal of Vision*, 17(10), 1208-1208. Poster presented at the Vision Sciences Society Annual Meeting, St. Pete Beach, FL.

Widdowson, C., LaValle, S., Wang, R., Huber, E., Kumar, A., & **Wood, K.** (2017). Discriminability of Prediction Artifacts in a Head-Mounted Display. *Journal of Vision*, 17(10), 495-495. Poster presented at the Vision Sciences Society Annual Meeting, St. Pete Beach, FL.

Wood, K. & Simons, D. J. (2016). Isolating the roles of similarity to attended and ignored items in inattention blindness. Talk presented at the Object Perception, Attention, and Memory (OPAM) Workshop, Boston, MA.

Wood, K. & Simons, D. J. (2016). Long-term memory and change blindness. *Journal of Vision*, 16(12), 45. doi:10.1167/16.12.45. Poster presented at the Vision Sciences Society Annual Meeting, St. Pete Beach, FL.

Wood, K., Wolfe, B., Kosovicheva, A., & Whitney, D. (2015). Speeded breakthrough of faces in interocular suppression requires configural information. *Journal of Vision*, 15(3), 148. doi: 10.1167/15.12.148 Poster presented at the Vision Sciences Society Annual Meeting, St. Pete Beach, FL.

Wood, K., Wolfe, B., Kosovicheva, A., Leib, A. Y., & Whitney, D. (2014). Foveal input is not required for ensemble coding of emotional faces. *Journal of Vision*, 14(3), 884. doi: 10.1167/14.10.883 Poster presented at the Vision Sciences Society Annual Meeting, St. Pete Beach, FL.

## Teaching and Mentorship

Fall 2018 - Present	Mentor, Mentor Matching Engine <i>Served as a social science mentor to high school students conducting independent research projects.</i>
Fall 2017	Teaching Assistant, Introduction to Experimental Psychology <i>Weekly lab sections featuring lectures, demos, and in-class experiments.</i>
Spring 2015	Co-Instructor, A Simple Introduction to Practical Programming <i>Course designed to introduce fundamental programming and data analysis principles to social science majors using Python and R. Weekly lecture, weekly problem sets, and a mid-term programming project.</i>
Fall 2013 - Spring 2015	Instructor, Psychology Publications Workshop <i>Course designed to teach the fundamentals of scientific writing and editing. Produced an new issue of the Undergraduate Journal of Psychology at Berkeley each year featuring original research conducted by undergraduates across the country.</i>

## Honors and Awards

2017	Best Paper Award
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For: Reconciling change blindness with long-term memory for objects.

*Attention, Perception, & Psychophysics.*

2017

Graduate Research Fellowship (NSF GRFP)  
National Science Foundation

2016

Travel Award  
Object Perception, Attention, and Memory (OPAM)

2015 - Present

Illinois Distinguished Fellowship  
University of Illinois Urbana-Champaign  
*A three-year fellowship awarded to exceptional applicants to the graduate program.*

2015

Warner Brown Memorial Prize in Psychology  
University of California Berkeley  
*Awarded to the graduating senior in the Department of Psychology who has shown the greatest promise in psychological research*

## **Memberships**

Vision Sciences Society

Psychonomics Society

Society for the Improvement of Psychological Science