

EDUCATION	<b>University of Chicago</b> PhD, Department of Psychology, Integrative Neuroscience Division Dissertation to be completed in the Visual Attention and Memory lab of Edward Awh & Edward K Vogel	2015 - present
	<b>University of Chicago</b> MA, Division of Social Sciences, cognitive neuroscience concentration Master's thesis completed in the Visual Attention and Memory lab of Edward Awh & Edward K Vogel	2017
	<b>University of Illinois Urbana-Champaign (UIUC)</b> BS, Department of Psychology, highest distinction Honors thesis completed in the Visual Cognition Lab of Daniel J Simons	2015
	BS, Department of Spanish, high distinction Honors thesis completed in Spanish philology with Eduardo Ledesma	
PUBLICATIONS	<b>Hakim N</b> , Awh E, Vogel EK, Rosenberg MD (in prep) Sparse EEG connectivity identifies individuals and predicts behavior	
	<b>Hakim N</b> , Feldmann-Wüstefeld T, Awh E, Vogel EK (in prep) Dissecting how interruption impacts neural signatures of working memory	
	<b>Hakim N</b> , deBettencourt MT, Awh E, Vogel EK (submitted) Attention fluctuations impact ongoing maintenance of information in working memory	
	<b>Hakim N</b> , Awh E, Vogel EK (submitted) Manifold working memory. In Working memory: a multicomponent model (Eds. Robert Logie, Nelson Cowan, and Valerie Camos) <i>Oxford University Press</i>	
	<b>Hakim N</b> , Feldmann-Wüstefeld F, Awh E, Vogel EK (2020) Perturbing neural representations of working memory with task-irrelevant interruption. <i>Journal of Cognitive Neuroscience</i>	
	<b>Hakim N</b> , Adam KCS, Gunseli E, Awh E, Vogel EK (2019) Dissecting the neural focus of attention reveals distinct processes for spatial attention and object-based storage in visual working memory. <i>Psychological Science</i>	
	<b>Hakim N</b> , Vogel EK (2018) Phase-coded memories in mind. <i>PLOS Biology</i>	
CONFERENCE TALKS	<b>Hakim N</b> , Simons DJ, Zhao H, & Wan X (2017) Do easterners and westerners differ in visual cognition? A preregistered examination of three visual cognition tasks. <i>Social Psychological and Personality Science</i>	
	<b>Hakim N</b> , Feldmann-Wüstefeld T, Awh E, Vogel EK (2019) The influence of task-relevant vs. task-irrelevant interruption on dissociable sub-component	

processes of the focus of attention. Vision Sciences Society, St. Pete Beach, FL

Awh E, **Hakim N**, Adam KCS, Vogel EK (2018) Dissecting the neural focus of attention reveals distinct processes for spatial attention and object-based storage in visual working memory. Psychonomic Society, New Orleans, LA

**Hakim N**, Feldmann-Wüstefeld T, Awh E, Vogel EK (2017) Distinct attention and working memory mechanisms protect internal representations from interruption. Object Perception, Attention, and Memory, Vancouver, Canada

#### CONFERENCE POSTERS

**Hakim N**, Awh E, Vogel EK (2020) Neural dynamics of interrupting sustained spatial attention. Vision Sciences Society, St. Pete Beach, FL

**Hakim N\***, deBettencourt MT\*, Awh E, Vogel EK, Warnke PC (2020) Examining sustained attention with subcortical recordings. Single Units and Human iEEG Meeting, Birmingham, England

**Hakim N**, Feldmann-Wüstefeld T, Chai L, Awh E, Vogel EK (2019) Distractor suppression in visual working memory. Psychonomic Society, Montreal, Canada

**Hakim N**, Feldmann-Wüstefeld T, Awh E, Vogel EK (2019) Neural dynamics of interrupting active working memory. Society for Neuroscience, Chicago, IL

Chai L, **Hakim N**, Feldmann-Wüstefeld T, Awh E, Vogel EK (2019) Distractor suppression in visual working memory. Society for Neuroscience, Chicago IL

**Hakim N**, Awh E, Vogel EK (2019) EEG-based decoding of attended location: a comparison of convolutional neural networks, forward encoding models, and logistic regression. The Algonauts Project, Boston, MA

**Hakim N**, Feldmann-Wüstefeld T, Awh E, Vogel EK (2018) Object representations persist when spatial attention is diverted. Psychonomic Society, New Orleans, LA

**Hakim N**, Feldmann-Wüstefeld T, Awh E, Vogel EK (2018) Distinct attention and working memory mechanisms protect internal representations from interruption. Vision Sciences Society, St. Pete Beach, FL

**Hakim N**, Vogel EK (2017) Graded loss of information from working memory after long retention intervals. Psychonomic Society, Vancouver, Canada

**Hakim N**, Adam KCS, Awh E, Vogel EK (2017) Sustained spatial attention is not sufficient to elicit the contralateral delay activity. Vision Sciences Society, St. Pete Beach, FL

**Hakim N**, Vogel EK (2016) Moving the limits of performance in a visual working memory task. Psychonomic Society, Boston, MA

**Hakim N**, Simons D, Zhao H, Wang X (2015) Cultural differences in visual cognition. Object Perception, Attention, and Memory, Chicago, IL

## INVITED TALKS

University of California, San Francisco  
February 2020

National Institutes of Health, Bethesda MD  
January 2020

## TEACHING

**Mind I-III**, Teaching intern, University of Chicago  
Discussion section leader for undergraduate seminar on mental processes, biological mechanisms, & social context

Fall 2017,  
Winter 2018,  
Spring 2018

**Research Methods**, Teaching assistant, University of Chicago  
Discussion section leader and guest lecturer for undergraduate course on statistics and research methodology

Spring 2017

**Fundamentals of Psychology**, Teaching assistant, University of Chicago  
Discussion section leader and guest lecturer for introductory undergraduate course

Winter 2017

## HONORS AND AWARDS

**Fellow**, Summer Institute for Cognitive Neuroscience, Santa Barbara, CA

2019

**Participant**, Deep learning analysis workshop, The National Center for Brain Mapping, Woods Hole, MA

2019

**Fellow**, Institute for Mind and Biology, University of Chicago

2015 - present

**Best Poster**, Object Perception Attention and Memory (OPAM) Conference, Chicago, IL

2015

**Magna Cum Laude**, UIUC

2015

**Charles Eriksen Award**, Visual Cognition Human Performance Psychology Division, UIUC

2015

**Joseph S. Flores Award**, Department of Spanish, UIUC

2015

**James Spoor Award**, Department of Psychology, UIUC

2015

**James Scholar**, College of Liberal Arts and Sciences, UIUC

2011 - 2015

**Dean's List**, College of Liberal Arts and Sciences, UIUC

2011 - 2015

## REVIEWING

*Annals of the New York Academy of Sciences*  
*Attention, Perception, & Psychophysics*  
*Consciousness & Cognition*  
*Journal of Cognitive Neuroscience*  
*Journal of Cognitive Psychology*  
*Journal of Experimental Psychology: General*

<b>DEPARTMENTAL SERVICE</b>	<b>Committee Member</b> , Institute for Mind and Biology, University of Chicago	2017 - present
	<b>President</b> , Academic and Career Development Committee, Psychology Graduate Student Organization, University of Chicago	2015 - 2019
<b>TECHNICAL SKILLS</b>	Matlab, Python, R, SPSS, EEGLAB, Eyelink, Psychtoolbox, Freesurfer, Pytorch	
	Native speaker of English, fluent in Spanish, basic German and Catalan	