

# JOSHUA K. HARTSHORNE

## EDUCATION

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**(In progress) Doctor of Philosophy.** Psychology. Advisor: Jesse Snedeker (expected 2012)  
Harvard University / Cambridge, MA

**Bachelors of Arts.** Major: Mathematics; Minor: Russian (2002)  
Oberlin College / Oberlin, OH

## RESEARCH EXPERIENCE

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### Cognitive Science / Language

Georgetown University. Research Assistant. Full Time. *Summer 2000, Summer 2001, 2002-2003*  
Supervisor: Michael Ullman, Departments of Neuroscience, Psychology, Linguistics, and Neurology

Georgetown University. Research Assistant. 10 hrs/week during academic year. *2000-2002*  
Supervisor: Michael Ullman, departments of psychology, linguistics, and neurology

Georgetown University. Research Assistant. *January 2000*  
Supervisor: Guinevere Eden.

### Cognitive Science / Vision and Attention

Harvard University. Research Assistant. Full Time. *Fall 2006-present*  
Supervisor: Yuhong Jiang, Department of Psychology.

Central Michigan University. Research Assistant. Full Time. *Summer 1997*  
Supervisor: John Monahan, Department of Psychology.

### Other Research

Central Michigan University. Research Assistant. 5 hrs/week. *Summer 2006*  
Supervisor: Nancy Salem-Hartshorne, Department of Psychology.

University of Kansas School of Medicine. Research Assistant. 8 hrs/week. *1997-1998*  
Supervisor: S. K. Dey, Department of Molecular and Integrative Physiology.

## REFEREED PUBLICATIONS

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Hartshorne, Joshua K., and Michael T. Ullman. (2006) Why girls say 'holded' more than boys.  
*Developmental Science*, 9, 21-32.

## **PAPERS UNDER REVISION, SUBMISSION OR PREPARATION**

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- Hartshorne, Joshua K. (*under review*) An investigation of proactive interference and visual working memory capacity.
- Hartshorne, Joshua K., Nancy Salem-Hartshorne, & Timothy S. Hartshorne (*under review*). Birth order and group self-organization.
- Makovski, Tal & Joshua K. Hartshorne (*under review*). Visual working memory and the formation of incidental visual long-term memory.
- Ullman, Michael T., Joshua K. Hartshorne, Ivy V. Estabrooke, Claudia Broveto and Matthew Walenski. (*in revision*) Sex, regularity, frequency and consistency: A study of factors predicting the storage of inflected forms.
- Ullman, Michael T., Joshua K. Hartshorne, and Matthew Walenski. (*in preparation*) A computation double-dissociation in language processing using a dual-task paradigm.
- Ullman, Michael T., Claudia J. Bonin and Joshua K. Hartshorne. (*in preparation*) The procedural deficit hypothesis of dyslexia.

## **CONFERENCE PAPERS**

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- Vickery, Timothy J., Joshua K. Hartshorne & Yuhong V. Jiang. (2007) Learning to form new perceptual groups. Paper presented at the 15th Annual Object Perception, Attention & Memory meeting.
- Monahan, John S., and Joshua K. Hartshorne. (1998) Search task, not field size, affects pop-out search speed. Paper presented at the 90th Annual Meeting of the Southern Society for Philosophy and Psychology, New Orleans.

## **CONFERENCE POSTERS**

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- Salem-Hartshorne, Nancy, & Hartshorne, Joshua K. (2007) Development in CHARGE Syndrome: Results of a longitudinal study. Poster to be presented at the 8th International CHARGE Syndrome Foundation Conference for Families, Anaheim, CA.
- Hartshorne, Joshua, Timothy Vickery and Yuhong Jiang. (2007) Knowledge about target category: a dissociation between categorization and search. Poster (to be) presented at the Vision Sciences Society Annual Meeting, Sarasota, FL.
- Hartshorne, Joshua K., Claudia J. Bonin and Michael T. Ullman. (2007) The procedural deficit hypothesis of dyslexia. Poster (to be) presented at the 14<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, New York.
- Hartshorne, Joshua K., Nancy Salem-Hartshorne and Timothy S. Hartshorne. (2007) Birth order effects in group self-organization. Poster (to be) presented at the 55<sup>th</sup> annual meeting of the North American Society of Adlerian Psychology, Vancouver.
- Bonin, Claudia J., Joshua K. Hartshorne and Michael T. Ullman. (2006) The procedural deficit hypothesis of dyslexia. Poster presented at the 25<sup>th</sup> Rodin Remediation Academy Conference, Washington, D.C.

Hartshorne, Joshua K., Mathew Walenski, and Michael T. Ullman. (2003) An investigation of the role of the declarative and procedural memory systems in language using a dual-task paradigm. Poster presented at the 10<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, New York.

Ullman, Michael, Ivy V. Estabrooke, Karsten Steinhauer, Matthew Walenski, Claudia Brovotto, Roumyana Pancheva, Kaori Ozawa, Joshua K. Hartshorne, Kristen Mordecai, and Pauline Maki. (2003) Sex differences and the role of estrogen in the neurocognition of language. Poster presented at the 10<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, New York.

## **RESEARCH AND TRAVEL GRANTS**

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### *External*

National Science Foundation Graduate Fellowship	2011-2013
National Defense Science and Engineering Graduate Fellowship	2008-2011
North American Society of Adlerian Psychology Conference Scholarship	2007
Honorable Mention, National Science Foundation Graduate Fellowship	2007
NSF REU (Research Experience for Undergraduates) Supplement “An interference study investigating the declarative/procedural model of language.” PI: Michael Ullman. Total costs: \$4282. Hartshorne Percent Effort: 100%.	2000-2001

### *Internal*

Gordon W. Allport Memorial Fund “Pragmatic processing in adult humans: behavioral and neurophysiological measures.” PI: Joshua Hartshorne. Total costs: \$3500. Hartshorne Percent Effort: 100%.	2008-2009
Elsie Hopestill Stimson Memorial	2007-2008

## **ADDITIONAL AWARDS AND SCHOLARSHIPS**

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Dahl Essay Prize in Philosophy	2002
John Frederick Oberlin Scholarship	1998-2002
National Merit Scholar	1998
Kansas Honor Scholar	1998

## **PRESENTATIONS**

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The structure of the mental lexicon Guest Lecture for Linguistics for Language Students / Oberlin College	2004
The structure of the mental lexicon Guest Lecture for Cognitive Psychology / Central Michigan University	2004

Modes of Tourism, Great Baikal Trail Symposium / Ulan-Ude, Russia	2004
The Declarative/Procedural model / Saint Petersburg State University	2003
The Collapse(?) of the Rapa Nui Civilization Guest Lecture for Introduction to Archaeology / Oberlin College	2002

## TEACHING

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### Courses Taught

Introduction to Psycholinguistics, Irkutsk State University of Linguistics / Irkutsk, Russia	2004
Introduction to Neurolinguistics, Irkutsk State University of Linguistics / Irkutsk, Russia	2004
Advanced English Conversation, Russian International Academy of Tourism / Irkutsk, Russia	2003 - 2004
English Conversation / St. Petersburg State University	Spring 2001
Robert Jordan's <i>The Wheel of Time</i> / Experimental College, Oberlin College	Fall 2001
Swing Dancing (beginning and advanced sessions) / Experimental College, Oberlin College	Fall 2000
Swing Dancing / Experimental College, Oberlin College	Spring 2000

## LANGUAGES

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### Modern Languages

Russian – *fluent written and spoken*  
 Spanish – *advanced written and spoken*  
 Mandarin Chinese – *intermediate written and spoken*  
 Japanese – *basic beginning written and spoken*

### Classical Languages Studied

Latin  
 Hebrew

### Language Study Programs

Escuela de Idiomas, Nerja / Nerja, Spain / Full Time	Spring 2006
Mandarin Training Center / Taipei, Taiwan / Full Time	2004-2005
Irkutsk State University / Irkutsk, Russia / Part Time	Spring 2004
Center of Russian Language and Culture / St. Petersburg, Russia / Full Time	Summer 2002
Center of Russian Language and Culture / St. Petersburg, Russia / Full Time	Spring 2001
Instituto Mexico Americano de Cultura / Guadalajara, Mexico / Full Time	January 1999
United States Department of Agriculture Graduate School / Part Time Elementary Japanese II & Elementary Japanese III	2003