

# WEDNESDAY BUSHONG

<https://wbushong.github.io>

bushong@hartford.edu

## EMPLOYMENT

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### Assistant Professor

Department of Psychology, University of Hartford

August 2020 –

## EDUCATION

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### University of Rochester

Ph.D, Brain & Cognitive Sciences

August 2020

*Dissertation: Maintenance of subcategorical information in spoken word recognition*

M.A., Brain & Cognitive Sciences

June 2018

### University of California, San Diego

B.S., Cognitive Neuroscience with Distinction

June 2015

*Thesis: Influence of form and motion on biological motion perception*

B.A., Linguistics with Distinction

June 2015

*Thesis: Compositional and holistic processing in novel and attested multiword expressions*

## PEER-REVIEWED JOURNAL ARTICLES

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**Bushong, W.** and Jaeger, T. F. (2019). Dynamic re-weighting of acoustic and contextual cues in spoken word recognition. *The Journal of the Acoustical Society of America*, 146(2), EL135-EL140.

Bicknell, K., **Bushong, W.**, Tanenhaus, M., and Jaeger, T. F. (in revision). Listeners can maintain and rationally update uncertainty about prior words.

## PEER-REVIEWED CONFERENCE PROCEEDINGS PAPERS

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**Bushong, W.** and Jaeger, T. F. (2019). Memory maintenance of gradient speech representations is mediated by their expected utility. In *Proceedings of the Forty-First Annual Conference of the Cognitive Science Society*.

**Bushong, W.** and Jaeger, T. F. (2019). Modeling long-distance cue integration in spoken word recognition. In *Proceedings of NAACL 2019 Cognitive Modeling and Computational Linguistics Workshop*.

**Bushong, W.**, and Jaeger, T. F. (2017). Maintenance of perceptual information in speech perception. In *Proceedings of the Thirty-Ninth Annual Conference of the Cognitive Science Society*.

## INVITED PRESENTATIONS

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“Maintenance of subcategorical information in spoken word recognition.” (2021). Cognitive Science Brown Bag, Villanova University.

“Uncertainty maintenance during spoken word recognition.” (2019). ALPS Lab, Stanford University.

“Learning to expect the unexpected: Adaptation to new distributions of grammatical structures.” (2018). NSF NRT PI Meeting, Washington, D.C.

“Maintenance of perceptual information in speech perception.” (2017). University of Rochester NRT Mini-Conference, Rochester, NY.

## PEER-REVIEWED CONFERENCE ABSTRACTS

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**Bushong, W.** and Jaeger, T. F. (2021, March). *Modeling subcategorical information maintenance in spoken word recognition*. Short talk presented at the 34th Annual CUNY Conference on Human Sentence Processing, Philadelphia, PA.

**Bushong, W.** and Jaeger, T. F. (2019, July). *Modeling long-distance cue integration in spoken word recognition*. Poster presented at the Forty-First Annual Conference of the Cognitive Science Society, Montreal, Canada.

**Bushong, W.** and Jaeger, T. F. (2018, September). *Expected utility of later context mediates maintenance of subcategorical information*. Poster presented at the 24th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP), Berlin, Germany.

**Bushong, W.** and Jaeger, T. F. (2018, September). *Cue reliability and adaptive re-weighting in spoken word recognition*. Poster presented at the 24th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP), Berlin, Germany.

**Bushong, W.**, Burchill, Z., and Jaeger, T. F. (2018, September). *Understanding changes in garden-paths as expectation adaptation*. Poster presented at the 24th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP), Berlin, Germany.

Burchill, Z., **Bushong, W.** and Jaeger, T. F. (2018, September). *Wasted power and false interactions in reading time analyses*. Poster presented at the 24th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP), Berlin, Germany.

**Bushong, W.** and Jaeger, T. F. (2018, March). *Cue reliability and re-weighting in speech perception*. Poster presented at the 31st Annual CUNY Conference on Human Sentence Processing, Davis, CA.

**Bushong, W.**, and Jaeger, T. F. (2017, March). *Expectation adaptation to high-level linguistic constraints on word order*. Talk presented at the 30th Annual CUNY Conference on Human Sentence Processing, Cambridge, MA.

**Bushong, W.**, Bicknell, K., and Jaeger, T. F. (2017, March). *Listeners maintain uncertainty about linguistic input*. Poster presented at the 30th Annual CUNY Conference on Human Sentence Processing, Cambridge, MA.

**Bushong, W.** and Jaeger, T. F. (2016, October). *Processing the relative ordering of definite and indefinite noun phrases*. Poster presented at the Dimensions of D Workshop, Rochester, NY.

**Bushong, W.**, Morgan, E., Yen, M., and Levy, R. (2015, September). *Compositional and holistic representations in multiword expressions*. Poster presented at the 21st Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP), Valletta, Malta.

**Bushong, W.**, Ürgen, B. A., Miller, L. E., and Saygin, A. P. (2015, May). *Influence of form and motion on biological motion prediction*. Poster presented at Vision Sciences Society 15th Annual Meeting, St. Pete, Florida.

## TEACHING EXPERIENCE

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### At University of Hartford

#### *Instructor*

PSY 311: Brain and Behavior (FA 2021, FA 2020)

PSY 372: Statistics for Psychology (SP 2022, FA2021, SP 2021 x 2, FA 2020 x 2)

PSY 393: The Psychology of Language (SP 2022, SP 2021)

PSY 470W: Research Methods for Psychology (FA 2021)

### At University of Rochester

#### *Instructor*

BCS 152: Language & Psycholinguistics (co-instructor with Dr. Martin Yang; FA 2018)

BCS 265: Language & the Brain (SP 2020)  
 CSP 502: Cognitive Foundations of Behavior (SU 2019)  
*Teaching Assistant*  
 BCS 111: Foundations of Cognitive Science (FA 2016)  
 BCS 152: Language and Psycholinguistics (FA 2017)  
 CSP 519: General Linear Models II (SP 2017)

### **At UC San Diego**

*Instructional Assistant*

COGS 14A: Introduction to Research Methods (FA 2013)

### **Workshops and Guest Lectures**

*Functional programming using R's purrr package*, BCS 512: Behavioral Research Methods, University of Rochester (2019)

*Adaptation during speech perception*, BCS 152: Language & Psycholinguistics, University of Rochester (2019)

*R programming: Basic data wrangling and visualization*, Human Language Processing Lab undergraduate research assistant meeting series (2016)

## **AWARDS AND HONORS**

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Donald M. and Janet C. Barnard Fellowship, University of Rochester	2018 – 2019
Edward Peck Curtis Award for Excellence in Graduate Teaching, University of Rochester	2018
CUNY Sentence Processing Conference Student Travel Award	2017
NSF National Research Training (NRT) Fellowship, University of Rochester	2016 – 2018
NSF Graduate Research Fellowship Honorable Mention	2015
Provost Fellowship, University of Rochester	2015 – 2017
Outstanding Graduate in Linguistics, UC San Diego	2015

## **SERVICE**

### **Reviewing**

#### *Journal Articles*

Journal of the Acoustical Society of America Express Letters (2020; 1 paper)

Memory and Cognition (2019; 1 paper)

Cognitive Science (2018; 1 paper)

#### *Conference Proceedings Papers*

The Annual Meeting of the Cognitive Science Society (2017–2020; 8 papers)

#### *Conference Abstracts*

The Annual Conference on Architectures and Mechanisms for Language Processing (2020; 8 abstracts)

### **Committee Service**

#### *At University of Rochester*

Title IX Education Assessment Committee (University-wide)	2018–2020
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Graduate Admissions Committee (Department of Brain & Cognitive Sciences)	2018–2019
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Transportation Advisory Committee (University-wide)	2017–2018; 2019–2020
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Strategic Planning – Career Development Sub-Group (University-wide)	2017
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### **Student Organizations**

Diversity Officer, Graduate Student Association, University of Rochester	2019–2020
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IT Officer, Graduate Student Association, University of Rochester	2016–2018
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Vice President, Cognitive Science Student Association, UC San Diego	2014–2015
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Professional Chair, Cognitive Science Student Association, UC San Diego  
President, Linguistics Undergraduate Association, UC San Diego

2013–2014  
2013–2015