

# Grusha Prasad

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## EDUCATION

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**Johns Hopkins University, Ph.D. Cognitive Science** 2017-Present  
*Advisor: Tal Linzen*

**Hampshire College, B.A. Cognitive Science** 2013-2017  
*Advisor: Joanna Morris*

**Other certificates:**  
Five College Certificate for Cognitive Neuroscience 2017

## SKILLS

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**Programming languages**  
Python, PyTorch, R, MATLAB, Java, Clojure

**Natural languages**  
Proficient in English, Telugu, Kannada. Conversational Hindi. Basic French.

**Stimulus presentation software**  
IbexFarm, PCIbex, PsychoPy, OpenSesame, E-prime

## PEER-REVIEWED PROCEEDINGS PAPERS

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**Grusha Prasad**, Marten van Schijndel & Tal Linzen. Using priming to uncover the organization of syntactic representations in neural language models. *Proceedings of the 23rd Conference on Computational Natural Language Learning (CoNLL)*. [arxiv] **Honorable mention for Best Paper Award for Research Inspired by Human Language Learning and Processing**

## PAPERS IN PREPARATION

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**Grusha Prasad** and Tal Linzen. *Do self-paced reading studies provide evidence for rapid syntactic adaptation?* (under review) [PsyArXiv] [OSF]

**Grusha Prasad** and Joanna Morris. *The P600 for singular 'they': How the brain reacts when John decides to treat themselves to sushi.* [PsyArXiv] [OSF]

## CONFERENCE PRESENTATIONS WITHOUT PROCEEDINGS

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### 2020:

**Grusha Prasad**, & Tal Linzen. Rapid syntactic adaptation in SPR: detectable, but requires many participants. **Oral Presentation**. *33rd Annual CUNY Conference on Human Sentence Processing*, Virtual Conference, March 19. [slides]

### 2019:

**Grusha Prasad** and Tal Linzen. How much harder are hard garden-path sentences than easy ones? **Poster Presentation**. *41st Annual Conference of the Cognitive Science Society, Montreal, July 24-27* [poster]

**Grusha Prasad**, Marten van Schijndel & Tal Linzen. Using syntactic priming to investigate how recurrent neural networks represent syntax **Poster Presentation**. *32nd Annual CUNY Conference on Human Sentence Processing*, Boulder, Colorado, March 15. [poster]

**Grusha Prasad**, & Tal Linzen. Reassessing the evidence for syntactic adaptation from self-paced reading studies. **Poster Presentation**. *32nd Annual CUNY Conference on Human Sentence Processing*, Boulder, Colorado, March 15. [poster]

### 2018:

**Grusha Prasad**, Joanna Morris & Mark Feinstein. The P600 for singular 'they': How the brain reacts when John decides to treat themselves to sushi. **Poster Presentation**, *31st Annual CUNY Conference on Human Sentence Processing*, Davis, California, March 15. [poster]

### 2017:

**Grusha Prasad**, Joanna Morris & Mark Feinstein. The P600 for singular 'they': How the brain reacts when John decides to treat themselves to sushi. **Oral Presentation**, *58th Annual Meeting of the Psychonomic Society*, Vancouver, British Columbia, November 9-12. [slides]

## EMPLOYMENT AND RESEARCH ASSISTANTSHIPS

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Lab manager, Psycholinguistics lab at Hampshire College 2014-2017

Supervisor: Joanna Morris

*Set up experiments on E-prime and OpenSesame, collected and preprocessed ERP data about morphological processing, helped with student projects*

Research assistant, Linguistics department at UMass Amherst 2016-2017

Supervisor: Brian Dillon

*Collected eye-tracking data for a project on agreement and binding in sentence processing*

Summer intern, Center for Language Science at Penn State University Summer 2016

Supervisor: Giuli Dussias

*Collected ERP data for projects about bilingual lexical access, assisted in setting up experiments on E-prime*

## TEACHING

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### Classes at Johns Hopkins University:

Teaching Assistant: Bayesian Inference	2020
Teaching Assistant: Introduction to computational cognitive science	2019
Teaching Assistant: Cognitive Neuropsychology of Visual Perception	2019
Teaching Assistant: Cognitive Development	2018
Teaching Assistant: Mind, Brain and Experience.	2018

### Classes at Hampshire College:

Co-instructor: What does a theory of meaning look like?	2016
Teaching Assistant: Electrophysiology Methods and Data Analysis	2016
Teaching Assistant: Words, Faces and Other Minds	2015
Teaching Assistant: Brain and Cognition II: Electrophysiological methodologies	2015

### Guest lectures:

Language Acquisition ( <i>Polly High School class: AP Psychology</i> )	2020
Syntactic Priming ( <i>JHU Class: Computational Psycholinguistics</i> )	2020
Syntactic Priming ( <i>JHU Class: Computational Psycholinguistics</i> )	2019
Language Acquisition ( <i>JHU Class: Cognitive Development</i> )	2019

### Other:

Workshops on Cognitive neuroscience and Experimental Design	2015
<i>Co-designed and ran multiple session workshop for 8th graders at Hilltown Charter School (East Hampton, MA) and Oakridge International School (Bengaluru, India)</i>	

## INVITED TALKS

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Fantastic garden path effects and how to find and model them  
*University of Potsdam, Germany (Virtual talk). March 13 2020.*

## AWARDS AND HONORS

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Johns Hopkins University, Owen's Scholar Award <i>Fellowship for outstanding incoming PhD students in the natural sciences</i>	2017-2020
Hampshire College, Ingenuity Award <i>An award to recognize students who work in creative and effective ways to improve the Hampshire community</i>	2017
Hampshire College, Ray and Lorna Coppinger Endowment Grants <i>Research grant for projects in cognitive or biological sciences</i>	2016
Hampshire College, Cognitive Science <i>Research grant for projects in cognitive science</i>	2016
Hampshire College program in Culture, Brain and Development <i>Research grant for projects incorporating psychobiological and sociocultural perspectives</i>	2016, 2015

Hampshire College program in Culture, Brain and Development	2016, 2015
<i>Summer placement grant for projects incorporating psychobiological and sociocultural perspectives</i>	

Hampshire College, Ethics and Common Good grant	2015
<i>Grant to support student projects that address a common good issue/ community need</i>	

Hampshire College, Earl Ubell Science Information Award	2015
<i>Grant to support student projects that seek to make the scientific method or scientific findings accessible to non-scientists</i>	

Hampshire College, Bell Ringer Merit Scholarship	2015
<i>Most prestigious merit scholarship awarded to incoming students</i>	

## MENTORING

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Women in Science and Engineering (WISE) Program	2018
<i>Co-mentored a high school student on an eye-tracking project</i>	

## SERVICE

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<b>Journal Reviewing:</b>	
Language	2020

<b>Johns Hopkins University:</b>	
Departmental Representative for the Graduate Representative Organization	2017-2020

<b>Hampshire College:</b>	
Student Representative to the School of Cognitive Science	2016-2017
Culture, Brain and Development Student Group Leader	2015-2017

## PROFESSIONAL MEMBERSHIPS

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Psychonomic Society	2017,2018
ACL	2019