

SHOHINI BHATTASALI

PERSONAL INFORMATION

email shohini@umd.edu
website <http://conf.ling.cornell.edu/sbhattasali/>
phone +1 (484) 343 2204

EMPLOYMENT

Postdoctoral Associate
2019 – Present
University of Maryland, College Park, MD 20742
Department of Linguistics · Institute of Advanced Computer Studies
PI: Philip RESNIK

EDUCATION

PhD
{2014 – 2019}
MA 2017
Cornell University, Ithaca, NY 14853
Department of Linguistics · Minor in Cognitive Science
Dissertation: *A Neurolinguistic Approach to Noncompositionality & Argument Structure*
Dissertation Committee: John HALE (chair) · Miloje DESPIC · John WHITMAN
· Wen-Ming LUH · Murielle FABRE

AB
{2010 – 2014}
magna cum laude
Bryn Mawr College, Bryn Mawr, PA 19010
Major: Linguistics (Hons) · Minors: Computer Science and Chinese
Thesis: *Correlations Between Sentiment Analysis of Movie Tweets, Film Critics Reviews, and Box Office Earnings*

Summer 2012
Yunnan University, Kunming, People's Republic of China
Study Abroad

AWARDS

2019
2019, 2018, 2017
2018, 2014
2017
2018, 2017, 2016
2018, 2017, 2016
2013
2012
President's Travel Fund for the Humanities, Cornell University
Cognitive Science Travel Grant, Cornell University
Sage Fellowship, Cornell University
EFL Mobility Grant, Laboratoire d'excellence-EFL (CNRS, Paris)
Graduate School Conference Travel Grant, Cornell University
Linguistics Department Conference Travel Grant, Cornell University
Summer Science Research Fellowship in Computer Science, Bryn Mawr College
Thomas Raeburn White Scholarship in Foreign Language Study, Bryn Mawr College

PUBLICATIONS

2020
Modeling Conventionalization and Predictability in Multiword Expressions at the Brain level
Shohini BHATTASALI, Murielle POPA-FABRE, John HALE, Christophe PALLIER
Proceedings of the Society for Computation in Linguistics (SCiL 2020), New Orleans, LA. [Refereed by paper]

2019
Diathesis Alternations and Selectional Restrictions in Sentence Processing: A fMRI Study
Shohini BHATTASALI, John HALE
Proceedings of the 55th Meeting of the Chicago Linguistic Society (CLS 55), Chicago, IL. [Refereed by abstract]

- 2019 Localising Memory Retrieval and Syntactic Composition: A fMRI study of Natural Language Comprehension
Shohini BHATTASALI, Murielle FABRE, Wen-Ming LUH, Hazem ALSAIED, Matthieu CONSTANT, Christophe PALLIER, Jonathan BRENNAN, R. Nathan SPRENG, John HALE
Language, Cognition and Neuroscience, 34:4, 491 – 510.
- 2018 Processing MWEs: Neurocognitive Bases of Verbal MWEs and Lexical Cohesiveness within MWEs
Shohini BHATTASALI, Murielle FABRE, John HALE,
Proceedings of the 14th Workshop on Multiword Expressions (COLING 2018), Santa Fe, NM. [Refereed by paper]
- 2018 Differentiating Phrase Structure Parsing and Memory Retrieval in the Brain
Shohini BHATTASALI, John HALE, Christophe PALLIER, Jonathan BRENNAN, Wen-Ming LUH, R. Nathan SPRENG
Proceedings of the Society for Computation in Linguistics (SCiL 2018), Salt Lake City, UT. [Refereed by paper]
- 2016 Computational Approach to Bengali Stress
Shohini BHATTASALI
In *Cornell Working Papers in Phonetics and Phonology*, Ithaca, NY.
- 2015 Automatic Identification of Rhetorical Questions
Shohini BHATTASALI, Jeremy CYTRYN, Elana FELDMAN, Joonsuk PARK
In *Proceedings of the 53rd Annual Meeting of the Association for Computational Linguistics (ACL '15)*, Beijing, China. [Refereed by paper]

PRESENTATIONS

- 2019 Modeling Conventionalization and Predictability in Multiword Expressions at the Cerebral Level
Murielle POPA-FABRE, Shohini BHATTASALI, John HALE, Christophe PALLIER
Collaborative Research in Computational Neuroscience (CRCNS 2019), Austin, TX.
- 2018 Right Lateralization of Verbal Collocations
Shohini BHATTASALI, Murielle FABRE, John HALE,
24th Architectures and Mechanisms of Language Processing conference (AMLaP 2018), Berlin, Germany. [Refereed by abstract]
- 2018 Break the ice vs. boa constrictors: Do they have different neural bases?
Shohini BHATTASALI, Murielle FABRE, John HALE
10th Annual Meeting of the Society of Neurobiology of Language (SNL 2018), Québec City, Canada. [Refereed by abstract]
- 2018 Dissociating prediction and constituent-structure during sentence-structure building
Murielle FABRE, Shohini BHATTASALI, John HALE, Christophe PALLIER
10th Annual Meeting of the Society of Neurobiology of Language (SNL 2018), Québec City, Canada. [Refereed by abstract]
- 2018 Brain imaging of lexical cohesiveness and sentence-structure building
Murielle FABRE, Shohini BHATTASALI, Hazem ALSAIED, Matthieu CONSTANT, Christophe PALLIER, Wenming LUH, John HALE,
Collaborative Research in Computational Neuroscience (CRCNS 2018), Berkeley, CA.
- 2018 Mapping Memory Retrieval and Structure-building in the Brain
Shohini BHATTASALI, Murielle FABRE, John HALE, Hazem ALSAIED, Matthieu CONSTANT
31st Annual CUNY Sentence Processing Conference (CUNY 2018), UC Davis, CA. [Refereed by abstract]
- 2017 Localizing Structure-building and Memory Retrieval in Naturalistic Language Comprehension
John HALE, Shohini BHATTASALI, Jonathan BRENNAN, Jixing LI, Wen-Ming LUH, Christophe PALLIER, R. Nathan SPRENG
9th Annual Meeting of the Society of Neurobiology of Language (SNL 2017), Baltimore, MD. [Refereed by abstract]
- 2017 Neuroimaging the language network with a parsing algorithm

John HALE, Jonathan BRENNAN, Shohini BHATTASALI, Wen-Ming LUH,
Christophe PALLIER
Collaborative Research in Computational Neuroscience (CRCNS 2017), Providence, RI.

- 2017 Am I Stressed? Computational Approach to Bengali Stress
Shohini BHATTASALI
91st Annual Meeting of the Linguistic Society of America (LSA 2017), Austin, TX.
[Refereed by abstract]
- 2015 Processing Ambiguity in Bengali Correlatives
Shohini BHATTASALI
Workshop on Relative Clauses: Relatives in East Asia and Beyond, Cornell University.

TALKS

- 2019 Using Computational Linguistics to Investigate Multiword Expressions at the Brain Level
Shohini BHATTASALI
Invited talk, *Computational Linguistics and Information Processing Colloquium*, University of Maryland.
- 2019 Verbs in Sentence Processing: Subcategorization & Selectional Restrictions
Shohini BHATTASALI
Cognitive Science Grad Student Info Blitz, Cornell University.
- 2019 Processing Multiword Expressions & Verbal Argument Structure: A fMRI study
Shohini BHATTASALI
Invited talk, *Cognitive Neuroscience of Language*, University of Maryland.
- 2018 Differentiating Structure Building & Memory Retrieval in natural language using MWEs
Shohini BHATTASALI
Cognitive Science Grad Student Info Blitz, Cornell University.
- 2018 Neural Bases of Discourse Comprehension
Shohini BHATTASALI
Guest lecture, *LING 2264: Language, Mind, and Brain*, Cornell University.
- 2017 Sense & Reference: Introduction to Semantics
Shohini BHATTASALI
Guest lecture, *LING 3303: Introduction to Syntax & Semantics*, Cornell University.
- 2017 Localization of composition and memory in language using fMRI data
Shohini BHATTASALI
Cognitive Science Grad Student Info Blitz, Cornell University.
- 2017 Processing MWEs: A Neurolinguistic Approach
Shohini BHATTASALI
Linguistics Graduate Research Workshop Presentations, Cornell University.
- 2016 Finite-state Approach to Bengali Stress
Shohini BHATTASALI
Linguistics Graduate Research Workshop Presentations, Cornell University.

TEACHING

University of Maryland

- Fall 2019 Co-Instructor with Philip Resnik · LING 848A: Seminar in Computational Linguistics & Cognitive Neuroscience of Language
Designed and led an interdisciplinary graduate seminar discussing recent topics at the confluence of computational linguistics, psycholinguistics, and cognitive neuroscience of language.

Cornell University

- Summer 2019 Co-Facilitator · WRIT 7100: Teaching Writing
Trained graduate students to develop course materials and pedagogical tools for a writing seminar by developing class activities, responding to student assignments, and designing & leading workshops.

<i>Spring 2018</i>	Teaching Assistant · LING 4424: Introduction to Computational Linguistics Held office hours & review sections and graded exams & biweekly assignments
<i>Fall 2017</i>	Teaching Assistant · LING 3303: Introduction to Syntax & Semantics Designed and led weekly review sections to contextualize lectures and graded exams & weekly assignments
<i>Spring 2017, Fall 2016</i>	Teaching Assistant · HINDI 1101/2: Elementary Hindi I/II Taught introductory-level Hindi, developed course materials, and graded daily assignments & weekly tests
<i>Spring 2016, Fall 2015</i>	Instructor, First-Year Writing Seminar · LING 1100: Translation & Writing Developed and taught a seminar which incorporates topics in translation and linguistic theory with practical experience in academic writing
<i>2014 - 2018</i>	Teaching Assistant · Acquiring Multiple Languages Compiled various language acquisition and developmental linguistics studies to develop course materials and create a repository for an online edX course https://edge.edx.org/courses/CornellX/CLAL1000-2x/Fall_2014/about

Bryn Mawr College

<i>Fall 2013</i>	Undergraduate Teaching Assistant · Introduction to Computational Linguistics Held two weekly problem sessions to help students with class readings and lab assignments
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PROFESSIONAL DEVELOPMENT

<i>September 2019</i>	Postdoctoral Research Symposium · Office of Postdoctoral Affairs, University of Maryland Participated in workshops to develop techniques needed for researchers including effective teaching & communication, along with career strategies to transition from postdoctoral researcher to independent researcher.
<i>June 2018</i>	Future Professors Institute: Advancing Diversity in the Academy · Graduate School Office of Inclusion & Student Engagement, Cornell University Participated in workshops & seminars geared towards students of color & underrepresented groups preparing for academic careers.
<i>Fall 2017</i>	ALS 6015: Teaching in Higher Education · Centre for Teaching Innovation, Cornell University Participated in course activities related to effective teaching and professional development to prepare for a faculty position in higher education
<i>2016 - Present</i>	GET SET Pedagogy Workshops · Centre for Teaching Innovation, Cornell University Participated in workshops covering various issues in teaching and learning in higher education such as assessing learning, creating an engaging classroom, innovative approaches in pedagogy among others
<i>Summer 2015</i>	WRIT 7100: Teaching Writing course · Knight Institute for Writing in the Disciplines, Cornell University
<i>Spring 2015</i>	ASIAN 5505: Methodology of Asian Language learning and teaching course · Department of Asian Studies, Cornell University

AFFILIATIONS & SERVICE

<i>2020 – Present</i>	Computational Neurolinguistics Reading Group Organizer
<i>2020 – Present</i>	Association of Computational Linguistics Reviewer
<i>2018 – 2019</i>	Tenure Track Position in Experimental Linguistics, Cornell University Search Committee
<i>2019, 2018, 2017</i>	National Computational Linguistics Olympiad (NACLO) Local Host Site Assistant Organizer

<i>2017 – 2018</i>	Annual Meeting for the North East Linguistics Society (NELS 49) Organizing Committee
<i>2017 – Present</i>	Society for the Neurobiology of Language Student Member
<i>2016 – Present</i>	Linguistic Society of America Student Member
<i>2016 – 2018</i>	Graduate & Professional Students Assembly, Cornell University Academic Integrity Hearing Board member
<i>2016</i>	Conference on Laboratory Phonology (LabPhon 15) Volunteer
<i>2015 – Present</i>	Association of Computational Linguistics Member
<i>2015 – 2019</i>	Brain & Language lab Member · Lab Manager {2016 - 2017}
<i>2014 – 2019</i>	Computational Linguistics lab Member
<i>2014 – 2019</i>	Cornell Linguistics Circle President {2016 - 2017} · Web Admin { 2014 - 2016 } · Social Committee {2014 - 2015 }

SKILLS

<i>Computer Skills</i>	Intermediate: HTML · \LaTeX · PSYCHOPY · SPM · MATLAB Advanced: JAVA · PYTHON · C++
<i>Languages</i>	Native Speaker: English · Bengali · Hindi Fluent: Mandarin Chinese