

Jackson L. Lee

Curriculum Vitae
September 2016

Department of Linguistics
University of Chicago
1115 East 58th Street
Chicago, IL 60637, USA

jsllee@uchicago.edu
<http://JacksonLLee.com>

Research Areas

Broad: Computational linguistics, language acquisition
Specific: Morphological paradigms, phonology-morphology interface, process morphology
Tone, intonation, and prosody
Computational modeling of the lexicon
Nominal syntax and semantics
Romance languages; Cantonese

Education

2016 Ph.D. in Linguistics, University of Chicago (expected)
Dissertation: *Morphological Paradigms: Computational Structure and Unsupervised Learning*
Adviser: John Goldsmith
2010 M.A. in Linguistics, University of Manchester, with Distinction
Thesis: *Morphological Doubling and Lexical Phonology: The Case of Cantonese*
Adviser: Yuni Kim
2008 B.A. in Linguistics and French, University of Hong Kong, with First Class Honors

Non-degree programs:

2015 Linguistic Society of America Summer Institute, University of Chicago
2011 Linguistic Society of America Summer Institute, University of Colorado at Boulder
2009 Linguistic Society of America Summer Institute, University of California at Berkeley
2007 Undergraduate Exchange Program, Université Paris Dauphine, France, Fall 2007

Books

In prep *Shaping Phonology* (festschrift in honor of John Goldsmith). Co-edited with Diane Brentari. University of Chicago Press. Forthcoming in 2017.
2014 *Proceedings of the 48th Annual Meeting of the Chicago Linguistic Society*. Co-edited with Andrea Beltrama, Tasos Chatzikonstantinou, Mike Pham, and Diane Rak.

Papers

Under review

- **Jackson L. Lee** and Stephen Matthews. The phonological representation of Cantonese tones.
- **Jackson L. Lee**. On the discovery procedure. To be in *Shaping Phonology* (festschrift in honor of John Goldsmith). Edited by Diane Brentari and Jackson Lee. University of Chicago Press.
- Mike Pham and **Jackson L. Lee**. Mincing words: Balancing recovery and deletion in word truncation.

To appear

- John A. Goldsmith, **Jackson L. Lee**, and Aris Xanthos. To appear. Computational learning of morphology. *Annual Review of Linguistics* 3. [[PDF](#)]

2016

- **Jackson L. Lee** and John A. Goldsmith. 2016. Linguistica 5: Unsupervised Learning of Linguistic Structure. In *Proceedings of the NAACL HLT 2016*. [[PDF](#)]
- **Jackson L. Lee**, Ross Burkholder, Gallagher B. Flinn, and Emily R. Coppess. 2016. Working with CHAT transcripts in Python. Technical report [TR-2016-02](#), Department of Computer Science, University of Chicago. [[PDF](#)]

2015

- Andrea Beltrama and **Jackson L. Lee**. 2015. Great pizzas, ghost negations: The emergence and persistence of mixed expressives. In *Proceedings of the 19th Annual Meeting of Sinn und Bedeutung*. [[PDF](#)]
- **Jackson L. Lee** and Stephen Matthews. 2015. When French becomes tonal: Prosodic transfer from L1 Cantonese and L2 English. In *Proceedings of the 6th Pronunciation in Second Language Learning and Teaching Conference*. [[PDF](#)]
- **Jackson L. Lee**. 2015. Morphological paradigms: Computational structure and unsupervised learning. In *Proceedings of the NAACL HLT 2015 Student Research Workshop*. [[PDF](#)]

2014

- Mike Pham and **Jackson L. Lee**. 2014. Combining successor and predecessor frequencies to model truncation in Brazilian Portuguese. Technical report [TR-2014-15](#), Department of Computer Science, University of Chicago. [[PDF](#)]
- **Jackson L. Lee**. 2014. Automatic morphological alignment and clustering. Technical report [TR-2014-07](#), Department of Computer Science, University of Chicago. [[PDF](#)]
- Alan C. L. Yu, Hyunjung Lee, and **Jackson L. Lee**. 2014. Variability in perceived duration: pitch dynamics and vowel quality. In the Proceedings of the 4th International Symposium on Tonal Aspects of Languages. [[PDF](#)]

- **Jackson L. Lee.** 2014. The representation of contour tones in Cantonese. In *Proceedings of the 38th Annual Meeting of the Berkeley Linguistics Society*. [PDF]

2012

- **Jackson L. Lee.** 2012. Fixed-tone reduplication in Cantonese. *McGill Working Papers in Linguistics 22(1). Proceedings from the Montreal-Ottawa-Toronto (MOT) Phonology Workshop 2011: Phonology in the 21st Century: In Honour of Glyne Piggott*. [PDF]

Manuscripts (available upon request through email)

- **Jackson L. Lee.** NP ellipsis is strictly locally licensed: The case of Cantonese.

Work in progress

- **Jackson L. Lee.** Demystifying the Cantonese ghost.

Software

Linguistica	Unsupervised learning of linguistic structure in Python (joint work with John Goldsmith)
PyLangAcq	Computational modeling of language acquisition in Python
PyCantonese	Cantonese linguistic research in Python

Presentations

INVITED TALKS

- 2015 “PyCantonese: Cantonese linguistic research in the age of big data”. Research seminar at the Childhood Bilingualism Research Center, Department of Linguistics, Chinese University of Hong Kong. September 15, 2015.
- 2013 “Automatic morphological alignment and clustering”. Workshop on Language, Cognition, and Computation. University of Chicago. February 22, 2013.
- 2008 “Tone assignment as a strategy in learning French by Cantonese speakers”. Linguistics department colloquium. University of Hong Kong. November 21, 2008.

CONFERENCE PRESENTATIONS

- 2016 **Jackson L. Lee** and John A. Goldsmith. “Linguistica 5: Unsupervised Learning of Linguistic Structure”. NAACL-HLT 2016. San Diego. June 12-17, 2016.
- 2016 **Jackson L. Lee**, Litong Chen, and Tsz-Him Tsui. “PyCantonese: Developing computational tools for Cantonese linguistics”. The 3rd Workshop on Innovations in Cantonese Linguistics. The Ohio State University. March 12-13, 2016.
- 2015 **Jackson L. Lee**, John Goldsmith, and Simon Jacobs. “Learning linguistic structure: Integrating big data analysis and visualization”. Mind Bytes: Research Computing Expo and Symposium. The Research Computing Center, University of Chicago. October 27, 2015.

- 2015 Pham, Mike and **Jackson L. Lee**. “Making short cuts at the intersection of recoverability and deletability to truncate words”. American International Morphology Meeting 3, University of Massachusetts Amherst. October 2-4, 2015.
- 2015 **Jackson L. Lee** “Morphological paradigms: Computational structure and unsupervised learning”. NAACL 2015 Student Research Workshop, Denver, Colorado. May 31-June 5, 2015.
- 2015 **Jackson L. Lee** and John Goldsmith. “Solving the paradigmatic alignment problem in unsupervised morphological paradigm induction”. Midwest Speech and Language Days 2015, Toyota Technological Institute at Chicago. May 7-8, 2015.
- 2015 Matthews, Stephen and **Jackson L. Lee**. “Cantonese tones are tone clusters: evidence from pop music”. HKU Tone Conference, University of Hong Kong. January 17, 2015.
- 2015 Pham, Mike and **Jackson L. Lee**. “Combining successor and predecessor frequencies to model truncation in Brazilian Portuguese”. The 89th Annual Meeting of the Linguistic Society of America, Portland, Oregon. January 8-11, 2015.
- 2015 Matthews, Stephen and **Jackson L. Lee**. “The representation of Cantonese tone: evidence from music”. The 89th Annual Meeting of the Linguistic Society of America, Portland, Oregon. January 8-11, 2015.
- 2014 **Jackson L. Lee** and John Goldsmith. “Towards a fully unsupervised approach to learning morphological paradigms from a raw text”. The 11th High Desert Linguistics Society, University of New Mexico. November 13-15, 2014.
- 2014 **Jackson L. Lee**, John Goldsmith, and Simon Jacobs. “Learning natural language morphology from a raw text”. Mind Bytes: Research Computing Expo and Symposium. The Research Computing Center, University of Chicago. October 28, 2014.
- 2014 Andrea Beltrama and **Jackson L. Lee**. “Great pizzas, ghost negations: The emergence and persistence of mixed expressives”. The 19th Annual Meeting of Sinn und Bedeutung, Georg August University at Göttingen. September 15-17, 2014.
- 2014 **Jackson L. Lee** and Stephen Matthews. “When French becomes tonal: prosodic transfer of L1 Cantonese speakers”. The 6th Annual Conference of the Pronunciation in Second Language Learning and Teaching, University of California, Santa Barbara. September 5-6, 2014.
- 2014 **Jackson L. Lee** and John Goldsmith. “Complexity across morphological paradigms: A minimum description length approach to identifying inflectional stems”. MorphologyFest: Symposium on Morphological Complexity, Indiana University, Bloomington. June 16-20, 2014.
- 2014 Yu, Alan C. L., Hyunjung Lee, and **Jackson L. Lee**. “Variability in perceived duration: pitch dynamics and vowel quality”. The 4th International Symposium on Tonal Aspects of Languages, Nijmegen, the Netherlands. May 13-16, 2014.
- 2014 Pham, Mike, **Jackson L. Lee**, and Bruna da Costa Moreira. “Modeling Brazilian Portuguese truncation by successor and predecessor frequencies”. Midwest Speech and Language Days 2014, University of Illinois at Urbana-Champaign. May 2-3, 2014.
- 2014 **Jackson L. Lee** and John Goldsmith. “Algorithmic approaches to identifying inflectional stems: implications from Spanish”. Linguistic Symposium on Romance Languages, Western University, London, Ontario. May 2-4, 2014.

- 2014 **Jackson L. Lee** and John Goldsmith. “Algorithmic approaches to identifying inflectional stems”. The 6th annual Illinois Language and Linguistics Society conference, University of Illinois at Urbana-Champaign. April 4-6, 2014.
- 2014 Andrea Beltrama and **Jackson L. Lee**. “Big pizzas, ghost negations: The emergence and persistence of mixed expressives”. The 38th Penn Linguistics Conference, University of Pennsylvania. March 28-30, 2014.
- 2013 **Jackson L. Lee** and John Goldsmith. “Automatic morphological alignment and clustering”. American International Morphology Meeting 2, University of California, San Diego. November 8-10, 2013.
- 2013 **Jackson L. Lee** “NP ellipsis may not be licensed non-locally”. The 87th Annual Meeting of the Linguistic Society of America, Boston, Massachusetts. January 4, 2013.
- 2012 **Jackson L. Lee** “NP ellipsis may not be licensed by Agree”. ELLIPSIS2012: Crosslinguistic, formal, semantic, discursive and processing perspectives, Universidad de Vigo, Spain. November 9-10, 2012.
- 2012 **Jackson L. Lee** “The representation of contour tones in Cantonese”. The 36th Penn Linguistics Colloquium, University of Pennsylvania. March 23-25, 2012.
- 2012 **Jackson L. Lee** “The representation of contour tones in Cantonese”. Workshop on Innovations in Cantonese Linguistics, Ohio State University. March 16-17, 2012.
- 2012 **Jackson L. Lee** “The representation of contour tones in Cantonese”. The 38th Annual Meeting of the Berkeley Linguistics Society. February 11-12, 2012.
- 2012 Morgan Sonderegger, Andrea Beltrama, Tasos Chatzikonstantinou, Erin Franklin, Brett Kirken, **Jackson L. Lee**, Maria Nelson, Krista Nicoletto, Talia Penslar, Hannah Provenza, Natalie Rothfels, Maximilian Bane, Peter Graff, and Jason Riggle. “Coronal stop deletion on reality TV”. The Annual Meeting of the Linguistic Society of America, Portland, Oregon. January 6, 2012.
- 2011 **Jackson L. Lee** “Fixed-tone reduplication in Cantonese”. The Annual Research Forum of the Linguistic Society of Hong Kong. The City University of Hong Kong. December 3, 2011.
- 2011 Morgan Sonderegger, Andrea Beltrama, Tasos Chatzikonstantinou, Erin Franklin, Brett Kirken, **Jackson L. Lee**, Maria Nelson, Krista Nicoletto, Talia Penslar, Hannah Provenza, Natalie Rothfels, Maximilian Bane, Peter Graff, and Jason Riggle. “Coronal stop deletion on reality TV”. The 40th New Ways of Analyzing Variation (NWAV 40). Georgetown University, Washington DC. October 30, 2011.
- 2011 **Jackson L. Lee** 2011. “The (non-)blocking of non-TETU tonal overwriting in Cantonese attenuative reduplication”. Phonology in the 21st Century: In Honour of Glyne Piggott. McGill University, Montréal, Canada. May 8, 2011.

Awards and Honors

- 2015 The Mellon Foundation-University of Chicago Dissertation Completion Fellowship
- 2014 The Research Computing Center Mind Bytes Award for Novel Use of Research Resources, University of Chicago
- 2014 Top abstract, the 6th Annual Meeting of the Illinois Linguistics and Language Society, University of Illinois at Urbana-Champaign
- 2010–2015 University of Chicago Fellowship

2011	Linguistic Society of America Summer Institute Fellowship, University of Colorado at Boulder
2006–2008	Dean’s Honors Lists, University of Hong Kong
2007–2008	HSBC Hong Kong Scholarships, University of Hong Kong
2008	Sir Man Kam Lo/Jardine Scholarship, University of Hong Kong
2007	The University of Hong Kong Foundation Scholarship, CV Starr Scholarship, Overseas Language Course Study Grant, Dragages Prize in French

Grants

2014	Rella Cohn research funds, Department of Linguistics, University of Chicago
2011, 2014	Graduate Student Travel Grant. Center for East Asian Studies, UChicago
2012	Graduate Student Travel Grant. Confucius Institute, University of Chicago

Instructorships

University of Chicago:

Spring 2015 LING 21000 Morphology

Teaching Assistantships

University of Chicago:

Summer 2015	Computational Linguistics (Sharon Goldwater) at the LSA Summer Institute
Spring 2014	LING 20001/30001 Introduction to Linguistics (Tim Grinsell)
Winter 2014	LING 20101/30010 Introduction to Phonetics and Phonology (Jason Riggle)
Winter 2013	LING 21000/31000 Morphology (John Goldsmith)

University of Hong Kong:

Winter 2009	LING 2009 Languages of the World
	LING 2012 Experimental Phonetics
Fall 2008	LING 2004 General Phonetics

Research Assistantships

2011–2014	PI: Alan Yu (University of Chicago) Understanding perceptual compensation in sound change (NSF #0949754) Duties: Designing and constructing experiments on Amazon Mechanical Turk; Praat and Python scripting for automatic audio file processing and data preprocessing
Summer 2012	PI: John Goldsmith (University of Chicago) <i>Linguistica</i> and computational morphology Duties: Working on computational modeling of structure across morphological paradigms

2008–2009 PIs: Stephen Matthews (University of Hong Kong), Virginia Yip (Chinese University of Hong Kong)
 Rethinking Cantonese grammar: typology, processing, and acquisition (HKU 748207H)
 Duties: Assisting with the revision of *Cantonese: A Comprehensive Grammar* (published in 2011 by Routledge)

Services

JOURNAL REVIEWER

2016 *Computational Linguistics*
 2016 *Phonology*
 2014, 2015 *ACM Transactions on Asian and Low-Resource Language Information Processing*

CONFERENCE AND WORKSHOP ORGANIZER

2015 Workshop on Computational Phonology and Morphology [[WEBSITE](#)], held at the LSA Summer Institute at the University of Chicago
 2013–present Workshop on Language, Cognition, and Computation, UChicago [[WEBSITE](#)]
 2012 The 48th Annual Meeting of the Chicago Linguistic Society (April 19-21)

ABSTRACT REVIEWER

2011–present Chicago Linguistic Society

Professional Affiliations

2013–present Association for Computational Linguistics
 2010–present Linguistic Society of America

Media Coverage

2015 [Linguists tackle computational analysis of grammar](#) (by Benjamin Recchie).
 University of Chicago News.

Languages

Natural languages:

Native	Cantonese
Fluent	English, Mandarin
Advanced	French
Beginner/reading	Spanish, German
Heritage	Hakka, Chaozhou (Chiuchow/Teochew)
Fieldwork	Mauritian Creole

Computer languages:

Python/PyQt, R, Praat, JavaScript, Linux/UNIX shell, \LaTeX , HTML, CSS, Java, Pascal, Octave