

Jesse Mu

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Interests

Natural language processing, psycholinguistics, machine learning

Education

- 2018– Ph.D. in Computer Science, Stanford University
- 2017– MPhil in Advanced Computer Science, University of Cambridge
- 2013–2017 B.A. in Computer Science, *summa cum laude*, Boston College

Experience

- 2017 Applied Scientist Intern, Alexa Machine Learning, Amazon
- 2016 Research Assistant, Computation and Cognition Lab, Stanford University
- 2015 Research Assistant, Computational Intelligence Group, Universidad Politécnica de Madrid
- 2015 Research Assistant, Computational Cognitive Science Group, MIT
- 2014 Software Engineering Intern, Quantopian

Publications, posters, and talks

Under review

The meta-science of adult statistical word segmentation: Part I

Joshua K. Hartshorne, Lauren Skorb, Sven L. Dietz, Caitlin R. Garcia, Gina L. Iozzo, Katie E. Lamirato, James R. Ledoux, Jesse Mu, Kara N. Murdock, Jon Ravid, Alyssa A. Savery, James E. Spizzirro, Kelsey A. Trimm, Kendall D. van Horne, and Juliani Vidal.

Journal articles

- 2017 **Parkinson's disease subtypes identified from cluster analysis of motor and non-motor symptoms**
Jesse Mu, Kallol Ray Chaudhuri, Concha Bielza, Jesús de Pedro Cuesta, Pedro Larrañaga, and Pablo Martinez-Martin. *Frontiers in Aging Neuroscience* 9:301

Conference papers

- 2017 **Evaluating hierarchies of verb argument structure with hierarchical clustering**
Jesse Mu, Joshua K. Hartshorne, and Timothy J. O'Donnell. In *Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing*

Conference abstracts and posters

- 2018 **Learning and evaluating hierarchies of verb argument structure**
Jesse Mu, Joshua K. Hartshorne, and Timothy J. O'Donnell. In *Learning Language in Humans and in Machines 2018 Conference*
- 2016 **The relationship between semantics and verb argument structure is highly regular: a large-scale, crowd-sourced investigation**
Joshua K. Hartshorne, Jesse Mu, Timothy J. O'Donnell, and Martha Palmer. In *Architectures and Mechanisms for Language Processing*
- 2016 **Unsupervised learning of VerbNet argument structure**
Jesse Mu, Timothy J. O'Donnell, and Joshua K. Hartshorne. In *Proceedings of the 38th Annual Conference of the Cognitive Science Society*

Talks

- 2018 “Learning and evaluating hierarchies of verb argument structure”
Stanford Computation and Cognition Lab
- 2017 “Evaluating hierarchies of verb argument structure with hierarchical clustering”
Harvard Language and Cognition Seminar

Honors and awards

- 2018 NSF Graduate Research Fellowship
- 2017 EMNLP 2017 Student Scholarship
- 2017 John J. Neuhauser Award in Computer Science, Boston College
- 2017 Thomas I. Gasson, S.J. Award, Boston College
- 2017 Phi Beta Kappa
- 2017 Churchill Scholarship
- 2016 Barry M. Goldwater Scholarship
- 2013 Gabelli Presidential Scholarship, Boston College

Teaching

- 2014–2016 Teaching Assistant, Computer Science I, Boston College

Leadership and service

- 2014–2017 Co-president, [Boston College Computer Science Society](#)
- 2014–2015 Director, [A Boston State of Mind](#)
- 2014–2015 Web Developer, [Haley House](#)
- 2014 English Teaching Assistant, [Educational Development Group](#)