Jesse Mu

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Interests

Natural language processing, psycholinguistics, machine learning

Education

2018– Ph.D. in Computer Science, Stanford University (deferred)
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

Robustness of the adult statistical word segmentation literature: Part 1
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

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

2017 "Evaluating hierarchies of verb argument structure with hierarchical clustering"
Harvard Language and Cognition

Honors and awards

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

2015–2016 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