

John DeNero

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POSITIONS	Faculty Director for Data Science Undergraduate Studies	2023-present
	Associate Dean for Undergraduate Studies, Division of Computing, Data Science, and Society	2021-2023
	Associate Teaching Professor, UC Berkeley, in Computer Science	2014-present
	Chief Scientist, Lilt	2015-present
	Senior Research Scientist, Google Inc., in Google Translate	2010-2014
EDUCATION	University of California, Berkeley Ph.D., Computer Science <i>Advisor:</i> Dan Klein	2005-2010
	Stanford University Master of Arts, Philosophy	2001-2002
	Bachelor of Science, with distinction <i>Major:</i> Mathematical and Computational Science <i>Secondary Major:</i> Symbolic Systems	1998-2002
AWARDS	Distinguished Teaching Award, UC Berkeley	2018
	Giancarlo Teaching Fellowship, College of Engineering	2017
	Jim and Donna Gray Award for Excellence in Undergraduate Teaching, EECS Department	2017
	Diane McEntyre Award for Excellence in Teaching, EECS Department	2016
	Award for Excellence in Promoting Women in Undergraduate Computing, Honorable Mention, NCWIT	2016
	Outstanding Faculty of the Year Award, Tau Beta Pi	2015
SELECTED PUBLICATIONS	Jessy Lin, Geza Kovacs, Aditya Shastry, Joern Wuebker, and John DeNero. “Automatic Correction of Human Translations,” in <i>Proceedings of the North American Association of Computational Linguistics</i> , 2022. Best paper award.	
	Samee Ibrahim, Gaoyue Zhou, and John DeNero, “Putting the Con in Context: Identifying Deceptive Actors in the Game of Mafia,” in <i>Proceedings of the North American Association of Computational Linguistics</i> , 2022.	
	Thomas Zenkel, Joern Wuebker, and John DeNero, “Automatic Bilingual Markup Transfer,” in <i>Findings of EMNLP</i> , 2021.	
	Thomas Zenkel, Joern Wuebker, and John DeNero, “End-to-end neural word alignment outperforms GIZA++,” in <i>Proceedings of the Association for Computational Linguistics</i> , 2020.	
	Patrick Simianer, Joern Wuebker, and John DeNero, “Measuring Immediate Adaptation Performance for	

Neural Machine Translation,” in *Proceedings of the North American Association of Computational Linguistics*, 2019.

Joern Wuebker, Patrick Simianer, and John DeNero, “Compact Personalized Models for Neural Machine Translation,” in *Proceedings of Empirical Methods in Natural Language Processing*, 2018.

Ani Adhikari, John DeNero, and David Wagner. *Computational and Inferential Thinking*. Online textbook, <http://www.inferentialthinking.com>, 2016.

Joern Wuebker, Spence Green, John DeNero, Sasa Hasa, and Thang Luong. “Models and Inference for Prefix-Constrained Machine Translation,” in *Proceedings of the Association of Computational Linguistics*, 2016.

Joern Wuebker, Spence Green, and John DeNero. “Hierarchical Incremental Adaptation for Statistical Machine Translation,” in *Proceedings of Empirical Methods in Natural Language Processing*, 2015.

Rohan Chitnis and John DeNero. “Variable-Length Word Encodings for Neural Translation Models,” in *Proceedings of Empirical Methods in Natural Language Processing*, 2015.

John DeNero. *Composing Programs*. Online textbook, <http://www.composingprograms.com>, 2013.

Karl Pichotta and John DeNero. “Identifying Phrasal Verbs Using Many Bilingual Corpora,” in *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, 2013.

Greg Durrett and John DeNero. “Supervised Learning of Complete Morphological Paradigms,” in *Proceedings of the North American Association of Computational Linguistics*, 2013.

David Golland, John DeNero, and Jakob Uszkoreit. “A Feature-Rich Constituent Context Model for Grammar Induction,” in *Proceedings of the Association of Computational Linguistics*, 2012.

Spence Green and John DeNero. “A Class-Based Agreement Model for Generating Accurately Inflected Translations,” in *Proceedings of the Association of Computational Linguistics*, 2012.

Mohit Bansal, John DeNero, and Dekang Lin. “Unsupervised Translation Sense Clustering,” in *Proceedings of the North American Association of Computational Linguistics*, 2012.

John DeNero and Jakob Uszkoreit. “Inducing Sentence Structure from Parallel Corpora for Reordering,” in *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, 2011.

John DeNero and Klaus Machery. “Model-Based Aligner Combination Using Dual Decomposition,” in *Proceedings of the Association of Computational Linguistics*, 2011.

John DeNero and Dan Klein. “Discriminative Modeling of Extraction Sets for Machine Translation,” in *Proceedings of the Association of Computational Linguistics*, 2010.

John DeNero, Shankar Kumar, Ciprian Chelba, and Franz Och. “Model Combination for Machine Translation,” in *Proceedings of the North American Association of Computational Linguistics*, 2010.

Taylor Berg-Kirkpatrick, Alexandre Bouchard-Côté, John DeNero, and Dan Klein. “Painless Unsupervised Learning with Features,” in *Proceedings of the North American Association of Computational Linguistics*, 2010.