Kevin Stowe

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EDUCATION

UNIVERSITY OF COLORADO, BOULDER | Doctoral Candidate, Computational Linguistics
Expected Graduation: May 2019 | Boulder, CO • Cum. GPA: 3.93
Research focused on lexical semantics, metaphor, and machine learning.

INDIANA UNIVERSITY | MA in Computational Linguistics | Dec 2011 | Bloomington, IN

MICHIGAN STATE UNIVERSITY | BA in Linguistics | Dec 2011 | East Lansing, MI

RESEARCH

COMPUTATIONAL METAPHOR PROCESSING | Dissertation
Advisors: Martha Palmer and Jim Martin
My dissertation focuses on computational approaches to metaphor, specifically how better representations of syntactic information can improve metaphor processing. This is done by incorporating linguistic analysis into deep learning , and using these methods to then improve classification and semantic representations.

LEXICAL SEMANTICS | Computational Language and Education Research (CLEAR)
Supervisor: Martha Palmer
I work extensively with computational lexical resources including VerbNet, PropBank, and Abstract Meaning Representations (AMRs). I manage annotation projects as well as working to improve the quality and usability of these resources.

PUBLICATIONS | for more, see my CV at https://kevincstowe.github.io
• Stowe, Kevin; Palmer, Martha. Leveraging Syntactic Constructions to Improve Metaphor Identification. in Proceedings of the Workshop on Figurative Language Processing, held with NAACL. pg 17-26. 2018. New Orleans, Louisiana, US
• Stowe, Kevin; Anderson, Jennings; Palmer, Martha; Palen, Leysia; Anderson, Kenneth M. Improving Classification of Twitter Behavior During Hurricane Events. in Proceedings of the Workshop on Natural Language Processing for Social Media (SocialNLP), held with ACL. pg 67-75. 2018. Melbourne, Australia

EXPERIENCE

FINDMYAUDIENCE | NLP Consultant for Find My Audience
https://findmyaudience.wordpress.com/
2015 | Boulder, CO
I worked for FindMyAudience, a technology startup, to identify possible audiences for authors and publishing companies. Together we developed methods for identifying book similarities and consumer interests from social media and other sources using continuous word representations and latent semantics models.

AVAYA | NLP Researcher
2013 | Boulder, CO
As a research intern, I did analysis of social media data (Twitter and Facebook) using machine learning algorithms, particularly clustering, to determine trends in user interactions with public company sites. We identified differences in positive and negative reactions to a variety of companies using topic modelling on social media, allowing for better interaction between companies and their customers.

SKILLS

PROGRAMMING
Python • Java • C++ • SQL • PHP
NLP
NLTK • Scikit Learn • Keras • TensorFlow • Stanford Core NLP • ClearNLP • Gensim
SOFTWARE
Windows/Linux/iOS • Bash • LaTeX• Microsoft Office/OpenOffice

Native fluency:
English
Reading fluency:
German
Beginner:
Russian