

## Mounica Maddela

✉ maddela.4@osu.edu

🌐 <https://mounicam.github.io/>

in <https://www.linkedin.com/in/mounica-maddela-2485aa90/>

---

INTERESTS	Natural Language Processing, Machine Learning and Social Media.	
EDUCATION	<b>The Ohio State University</b> , Columbus, Ohio, USA	2017-present
	<i>Ph.D. in Computer Science and Engineering</i> GPA - 3.94 / 4.00	
	<b>University of Pennsylvania</b> , Philadelphia, Pennsylvania, USA	2013-2015
	<i>Master of Science in Computer and Information Science</i> GPA - 3.64 / 4.00	
	<b>International Institute of Information Technology</b> , Hyderabad, India	2009-2013
	<i>Bachelor of Technology(Honors) in Computer Science and Engineering</i> GPA - 9.07 / 10.00	
PUBLICATIONS	<i>Neural CRF Model for Sentence Alignment in Text Simplification</i> Chao Jiang, <b>Mounica Maddela</b> , Wuwei Lan, Yang Zhong, Wei Xu Proceedings of ACL 2020, long paper	
	Code and Named Entity Recognition in StackOverflow Jeniya Tabassum, <b>Mounica Maddela</b> , Wei Xu, Alan Ritter Proceedings of ACL 2020, long paper	
	<i>Multi-task Pairwise Neural Ranking for Hashtag Segmentation</i> <b>Mounica Maddela</b> , Wei Xu and Daniel Preotjiuc-Pietro Proceedings of ACL 2019, long paper	
	<i>A Word-Complexity Lexicon and A Neural Readability Ranking Model for Lexical Simplification.</i> <b>Mounica Maddela</b> and Wei Xu Proceedings of EMNLP 2018, long paper	
RESEARCH EXPERIENCE	<b>Graduate Research Assistant, OSU</b> <i>Advisor: Dr. Wei Xu</i>	08/2017 - present
	<b>1) Text Simplification</b> Currently, working on novel neural models for sentence simplification.	05/2019 - present
	<b>2) Hashtag Segmentation</b> Developed a novel neural model to break a hashtag into its constituent words. Our approach addresses the diverse language style expressed in social media and also adapts to the hashtag type by using different features for single and multi-word hashtags.	08/2018 - 05/2019
	<b>3) Lexical Simplification</b> Designed a neural model called "Neural Readability Ranker" to replace complex words in a sentence with their simpler alternatives. Unlike the previous work, which depends solely on heuristics, our approach uses a combination of human judgments and linguistic features to estimate the complexity of any given word or phrase.	06/2017 - 07/2018
	<b>Independent Study Project, UPENN</b> <i>Advisor: Dr. Lyle Ungar</i> Captured the different sources and interpretations of well-being across various countries by analyzing the distribution of sentiment words.	01/2014 - 05/2015

INDUSTRY	<b>Software Development Engineer II</b>	06/2015 - 07/2017
EXPERIENCE	Big Data Technologies, Amazon, Seattle Improved job monitoring experience in DataNet, one of Amazon's internal data management systems. Migrated the back-end legacy systems in DataNet from Oracle to Amazon Web Services.	
	<b>Software Development Intern</b>	06/2014 - 08/2014
	Big Data Technologies, Amazon, Seattle Developed natural language interface to help customers communicate with Grasshopper, a SQL query builder system.	
	<b>Text Mining Intern</b>	06/2013 - 08/2013
	SetuServ, Hyderabad, India Worked on text analytics tasks like sentiment analysis of tweets posted during a clinical conference and categorization of credit card transactions.	
AWARDS	The Ohio State University PhD Fellowship for 2017-2018 Research Award for undergraduate students at IIIT-H for 2011-2012 Deans Academic Award List for all the 8 semesters (Fall 2009 - Spring 2013)	
TECHNICAL SKILLS	Programming Languages : Python, Java, C++, C, MATLAB NLP and Data Mining Tools : Fairseq, PyTorch, Stanford CoreNLP, Stanford Topic Modelling Toolbox, MALLET, Scikit, NLTK, WEKA Version 3.7 Cloud Computing : Amazon EC2, Amazon CloudSearch.	
TALKS	<b>Multi-task Pairwise Neural Ranking for Hashtag Segmentation</b> AI Seminar, OSU, August 2019  <b>A Word-Complexity Lexicon and A Neural Readability Ranking Model for Lexical Simplification</b> AI Seminar, OSU, October 2018 Clippers Meeting, OSU, November 2018 Midwest Speech and Language Days, May 2019  <b>Lexical Simplification</b> Guest Speaker, CSE 3521, March 2019	
SERVICES	Reviewer for ACL 2020, AAAI 2020, NAACL 2019, EMNLP 2019 Reviewer for the 5th Workshop on Noisy User-Generated Text (W-NUT) 2019 Women in Engineering Graduate Council Member (OSU)	
AFFILIATIONS	Association for Computational Linguistics (ACL)	
TEACHING	Graduate Teaching Assistant for Speech and Language Processing (OSU) Graduate Teaching Assistant for Internet and Web Systems (UPENN) Graduate Teaching Assistant for Computational Linguistics (UPENN) Undergraduate Teaching Assistant for Introduction to Databases (IIIT)	