Mounica Maddela

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INTERESTS	Natural Language Processing, Machine Learning and Social Media.

EDUCATION

The Ohio State University, Columbus, Ohio, USA   2017-present
Ph.D. in Computer Science and Engineering
GPA - 3.94 / 4.00

University of Pennsylvania, Philadelphia, Pennsylvania, USA   2013-2015
Master of Science in Computer and Information Science
GPA - 3.64 / 4.00

International Institute of Information Technology, Hyderabad, India   2009-2013
Bachelor of Technology(Honors) in Computer Science and Engineering
GPA - 9.07 / 10.00

PUBLICATIONS

Multi-task Pairwise Neural Ranking for Hashtag Segmentation
Mounica Maddela, Wei Xu and Daniel Preoţiuc-Pietro
Proceedings of ACL 2019, long paper

A Word-Complexity Lexicon and A Neural Readability Ranking Model for Lexical Simplification.
Mounica Maddela and Wei Xu
Proceedings of EMNLP 2018, long paper

PROFESSIONAL EXPERIENCE

Graduate Research Assistant, OSU   08/2018 - present
Advisor: Dr. Wei Xu
Developed a novel neural model to break hashtags into their constituent words.

Graduate Research Fellow, OSU   06/2017 - 07/2018
Advisor: Dr. Wei Xu
Developed a novel neural model called "Neural Readability Ranker" to replace complex words in a sentence with their simpler alternatives.

Software Development Engineer II   06/2015 - 07/2017
Big Data Technologies, Amazon, Seattle
Improved job monitoring experience in DataNet, one of Amazon's internal data management systems. Migrated some of the back-end legacy systems in DataNet from Oracle to Amazon Web Services.

Independent Study Project, UPENN   01/2014 - 05/2015
Advisor: Dr. Lyle Ungar
Captured the different sources and interpretations of well-being across various countries by analyzing the distribution of sentiment words.

Software Development Intern   06/2014 - 08/2014
Big Data Technologies, Amazon, Seattle
Developed natural language interface to help customers communicate with Grasshopper, a SQL query builder system.

Text Mining Intern   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 : PyTorch, Stanford CoreNLP, Stanford Topic Modelling Toolbox, MALLET, Scikit, NLTK, WEKA Version 3.7
	Cloud Computing : Amazon EC2, Amazon CloudSearch.
TALKS	**A Word-Complexity Lexicon and A Neural Readability Ranking Model for Lexical Simplification** AI Seminar, OSU, October 2018 Clippers Meeting, OSU, November 2018 Midwest Speech and Language Days, May 2019 **Lexical Simplification** Guest Speaker, CSE 3521, March 2019
SERVICES	Reviewer for NAACL 2019 Reviwer for the 5th Workshop on Noisy User-Generated Text (W-NUT), 2019.
AFFILIATIONS	Association for Computational Linguistics (ACL)
TEACHING	Teaching Assistant for Speech and Language Processing (OSU) Teaching Assistant for Internet and Web Systems (UPENN) Teaching Assistant for Computational Linguistics (UPENN) Teaching Assistant for Introduction to Databases (IIIT)