

Laura (Wendlandt) Burdick

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<http://wendlandt.github.io>

Education	University of Michigan (Ann Arbor, MI)	
	Ph.D., Computer Science and Engineering	(Expected) 2020
	<i>Advisor: Dr. Rada Mihalcea</i>	
	M.S., Computer Science and Engineering	April 2017
Employment	Grove City College (Grove City, PA)	
	B.S., Computer Science	May 2015
	UM Artificial Intelligence Lab	Sept. 2015 - Present
	<i>Research Assistant, LIT research group</i> Working in natural language processing, machine learning, computational social science, word embeddings, word semantics, and data science with Dr. Rada Mihalcea	
Publications	MAJORANA Research Team	May - Aug. 2013
	<i>Research Assistant</i> Participated in Computational Astronomy and Physics REU, contributed to international physics research team studying neutrino detection, created extensible modeling capabilities and models for data processing software	
	Amazon	May - Aug. 2014
	<i>Software Development Intern</i> Developed complete web application for use in Amazon's Fulfillment Centers, tested application with users, prepared code for global production, actively participated in a software development team using agile methodology	
Publications	Journal Papers	
	"Analyzing Connections Between User Attributes, Images, and Text"	
	Burdick, L., R. Mihalcea, R. Boyd, J. Pennebaker	
	<i>PNAS (in submission)</i> , 2019	
Publications	Conference Papers	
	"Factors Influencing the Surprising Instability of Word Embeddings"	
	Wendlandt, L., J. K. Kummerfeld, R. Mihalcea	
	<i>North American Chapter of the Assoc. for Computational Linguistics</i> , 2018	
Publications	"Multimodal Analysis and Prediction of Latent User Dimensions"	
	Wendlandt, L., R. Mihalcea, R. Boyd, J. Pennebaker	
	<i>Social Informatics</i> , 2017	
Publications	Workshop Papers	
	"Data Science in Service of Performing Arts: Applying Machine Learning to Predicting Audience Preferences"	
	Abernethy, J., C. Anderson, C. Dai, J. Dryden, E. Schwartz, W. Shen, J. Stroud, L. Wendlandt, S. Yang, D. Zhang	
	<i>Bloomberg Data for Good Exchange</i> , 2016	

Teaching	University of Michigan Classes	
	EECS 198: Discover CS	Fall 2018
	Primary instructor for a new class at UM, designed for incoming freshmen women to explore CS	
	EECS 498/595, SI 561: Natural Language Processing	Fall 2017
	Co-instructor – involved lecturing, planning curriculum, holding office hours, and grading	
	<i>(ranked by School of Information students in top quartile of classes for overall quality and amount learned)</i>	
	EECS 281: Data Structures and Algorithms	Fall 2015,
	Graduate Student Instructor – involved teaching discussion sections, holding office hours, grading, and writing exams and projects	Winter 2016
	Work with CRLT-Engin (Center for Research on Learning & Teaching in Engineering)	
	Practice Teaching Facilitator	Winter 2019
Grants Received	<i>Graduate Student Instructor Orientation</i>	
	Co-facilitator for “Making Teamwork Work” Seminar	Fall 2018
	<i>Continuing Education for Student Instructors</i>	
	Other	
	Python tutorial instructor at CS KickStart	2017, 2018
	Guest instructor for ICOS Big Data Summer Camp	2018
	Guest lecturer for Information Retrieval (EECS 486)	2018
	Teaching assistant for CS and Physics (Grove City College)	2012-2015
	Personal academic tutor (Grove City College)	2013-2015
	ExploreCSR, \$35,000	2018-2019
Talks	Google grant for undergraduate computer science research-focused workshops for women	
	Gilbert Whitaker Fund, \$5,725	2018
	Center for Research on Learning and Teaching grant for activities that enhance the quality of student learning at the University of Michigan	
	Ann Arbor / Detroit NLPers Meetup	Aug. 2018
	“Factors Influencing the Surprising Instability of Word Embeddings”	
	Midwest Speech and Language Days	May 2018
	“Factors Influencing the Surprising Instability of Word Embeddings”	
	Decision Consortium	May 2016
	University of Michigan, Psychology Department	
	“Inferring User Attributes from Images”	
	North Carolina Museum of Natural Sciences	Aug. 2013
	With Asher Wasserman	
	“The Hunt for Neutrinos”	

Professional Activities	Service	
	Co-chair, a2-dlearn (Ann Arbor deep learning symposium)	2019
	Student Co-Chair, Student Research Workshop, NAACL	2019
	Unconference Session Facilitator, Michigan AI Symposium	2018
	Editorial Board Member, Michigan AI Blog	2018
	Reviewer, DSTC7 (AAAI Workshop)	2019
	Reviewer, AAAI	2019
	Reviewer, EMNLP	2018
	Reviewer, <i>Computer Speech & Language</i>	2017
	Conferences / Workshops Attended	
	COLING	Aug. 2018
	NAACL	June 2018
	Midwest Speech and Language Days	April 2017, May 2018
	Social Informatics (SocInfo)	Sept. 2017
	Bloomberg Data for Good Exchange	Sept. 2016
	CRA-W Grad Cohort Workshop	April 2016
	Fall Meeting of the APS Division of Nuclear Physics	Oct. 2013
Awards	NSF GRFP - Honorable Mention	2017
	Honorable mention for the National Science Foundation's Graduate Research Fellowship Program	
	ACM Programming Team	2013
	One of three juniors on a team that placed 13th of 126 teams at the 2013 ACM-ICPC E. Central N. America Regional Contest	
	UNC at Chapel Hill Capstone Award	2013
	Best final presentation summer 2013 REU - \$500	
	John David Ormerod Memorial Award	2013
	Top-ranked computer science major in sophomore class	
	Grove City College Scroll and Key	2015
	Academic honor society honoring top 7% of senior class	
	OΔK and Mortar Board Honor Societies	2015
	Recognition for scholarship, leadership, and service	
	Grove City College Trustee Scholarship	2011-2015
Outreach	Top academic scholarship awarded to 24 freshmen	
	Grove City College Presidential Scholarship	2012-2015
	Recognition for GPA greater than 3.6	
	Girls Encoded (girlsencoded.eecs.umich.edu)	2016-2017
	<i>Co-director, Event Coordinator, Student Funding Committee</i>	
	Focused on recruiting and retaining women in computer science. Initiatives include Women in Computing seminars, industry panels featuring female software engineers, and high-school outreach.	
	CS KickStart (cskickstart.eecs.umich.edu)	2016-2017
	<i>Co-organizer & Industrial Relations 2016, Advisor 2017</i>	
	Annual summer camp introducing freshmen women to computer science. More than 100 applications received each year.	
	Hour of Code	2017
	<i>Volunteer in Elementary Classroom</i>	
	North American Computational Linguistics Olympiad	2016
	<i>Graduate Student Grader</i>	

Relevant Coursework	Graduate Level Natural Language Processing, Machine Learning, Advanced AI, Computational Complexity, Continuous Optimization Methods, Parallel Computing
	Undergraduate Level Algorithms, Introduction to AI, Ethics in the Computing Profession, Foundations of CS, Operating Systems, Object-Oriented and Advanced Programming, Data Communications and Networking, Data Structures and Algorithms, Computer Architecture and Organization, Database Management Systems, Discrete Math
References	Available upon request.

(CV compiled 11 January 2019.)