

# Laura (Wendlandt) Burdick

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<http://laura-burdick.github.io>

Education	<b>University of Michigan</b> (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
	<b>Grove City College</b> (Grove City, PA)	
	B.S., Computer Science	May 2015
Employment	<b>UM Artificial Intelligence Lab</b>	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	
	<b>MAJORANA Research Team</b>	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	
	<b>Amazon</b>	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	<b>Conference Papers</b>	
	"Factors Influencing the Surprising Instability of Word Embeddings"	
	<u>Wendlandt, L.</u> , J. K. Kummerfeld, R. Mihalcea	
	<i>North American Chapter of the Assoc. for Computational Linguistics</i> , 2018	
	"Multimodal Analysis and Prediction of Latent User Dimensions"	
	<u>Wendlandt, L.</u> , R. Mihalcea, R. Boyd, J. Pennebaker	
	<i>Social Informatics</i> , 2017	
	<b>Workshop Papers</b>	
	"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, <u>L. Wendlandt</u> , S. Yang, D. Zhang	
	<i>Bloomberg Data for Good Exchange</i> , 2016	

Teaching	<b>Education</b>	
	U-M Graduate Teacher Certificate	Winter 2019
	<b>University of Michigan Classes</b>	
	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, Winter 2016
	Graduate Student Instructor – involved teaching discussion sections, holding office hours, grading, and writing exams and projects	
	<b>Work with CRLT-Engin (Center for Research on Learning &amp; Teaching in Engineering)</b>	
Grants Received	Practice Teaching Facilitator	Winter 2019
	<i>Graduate Student Instructor Orientation, Active Learning Practice</i>	
	Co-facilitator for “Making Teamwork Work” and “Addressing Problematic Team Dynamics” Seminars	Fall 2018, Winter 2019
	<i>Continuing Education for Student Instructors</i>	
	<b>Other</b>	
	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
Grants Received	<b>ExploreCSR, \$35,000</b>	2018-2019
	Google grant for undergraduate computer science research-focused workshops for women	
	<b>Gilbert Whitaker Fund, \$5,725</b>	2018
Talks	Center for Research on Learning and Teaching grant for activities that enhance the quality of student learning at the University of Michigan	
	<b>Ann Arbor / Detroit NLPers Meetup</b>	Aug. 2018
	“Factors Influencing the Surprising Instability of Word Embeddings”	
	<b>Midwest Speech and Language Days</b>	May 2018
	“Factors Influencing the Surprising Instability of Word Embeddings”	
Talks	<b>Decision Consortium</b>	May 2016
	University of Michigan, Psychology Department “Inferring User Attributes from Images”	

Professional Activities	<b>Service</b>	
	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, ACL, NAACL-HLT, DSTC7 (AAAI Workshop), AAAI	2019
	Reviewer, EMNLP	2018
	Reviewer, <i>Computer Speech &amp; Language</i>	2017
	<b>Conferences / Workshops Attended</b>	
	COLING	Aug. 2018
Awards	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
	<b>Rackham Outstanding Graduate Student Instructor Award</b>	2019
	Recognizes the efforts and accomplishments of GSIs who demonstrate extraordinary dedication and excellence as teachers	
	<b>NSF GRFP - Honorable Mention</b>	2017
	Honorable mention for the National Science Foundation's Graduate Research Fellowship Program	
Outreach	<b>ACM Programming Team</b>	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	
	<b>UNC at Chapel Hill Capstone Award</b>	2013
	Best final presentation summer 2013 REU - \$500	
	<b>John David Ormerod Memorial Award</b>	2013
	Top-ranked computer science major in sophomore class	
	<b>Grove City College Scroll and Key</b>	2015
	Academic honor society honoring top 7% of senior class	
	<b>OΔK and Mortar Board Honor Societies</b>	2015
	Recognition for scholarship, leadership, and service	
	<b>Grove City College Trustee Scholarship</b>	2011-2015
	Top academic scholarship awarded to 24 freshmen	
	<b>Grove City College Presidential Scholarship</b>	2012-2015
	Recognition for GPA greater than 3.6	
	<b>Girls Encoded</b> ( <a href="http://girlsencoded.eecs.umich.edu">girlsencoded.eecs.umich.edu</a> )	2016-2017
	Co-director, Event Coordinator, Student Funding Committee	
	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.	
	<b>CS KickStart</b> ( <a href="http://cskickstart.eecs.umich.edu">cskickstart.eecs.umich.edu</a> )	2016-2017
	Co-organizer & Industrial Relations 2016, Advisor 2017	
	Annual summer camp introducing freshmen women to computer science. More than 100 applications received each year.	
	<b>Hour of Code</b>	2017
	Volunteer in Elementary Classroom	
	<b>North American Computational Linguistics Olympiad</b>	2016
	Graduate Student Grader	

Relevant Coursework	<p><b>Graduate Level</b>  Natural Language Processing, Machine Learning, Advanced AI, Computational Complexity, Continuous Optimization Methods, Parallel Computing</p> <p><b>Undergraduate Level</b>  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</p>
References	Available upon request.

*(CV compiled 26 April 2019.)*