

# Laura Wendlandt

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<http://wendlandt.github.io>

- Education**
- University of Michigan** (Ann Arbor, MI)  
Ph.D., Computer Science and Engineering (Expected) 2020  
*Advisor: Dr. Rada Mihalcea*  
M.S., Computer Science and Engineering April 2017
- Grove City College** (Grove City, PA)  
B.S., Computer Science May 2015
- Employment**
- UM Artificial Intelligence Lab** Sept. 2015 - Present  
*Research Assistant, LIT research group*  
Working in natural language processing, machine learning, computational social science, word embeddings, word semantics, and data science with Dr. Rada Mihalcea
- MAJORANA Research Team** May - Aug. 2013  
*Research Assistant*  
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  
*Software Development Intern*  
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**
- Conference Papers**
- "Factors Influencing the Surprising Instability of Word Embeddings"  
Wendlandt, L., J. K. Kummerfeld, R. Mihalcea  
*North American Chapter of the Assoc. for Computational Linguistics*, 2018
- "Multimodal Analysis and Prediction of Latent User Dimensions"  
Wendlandt, L., R. Mihalcea, R. Boyd, J. Pennebaker  
*Social Informatics*, 2017
- 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  
*Bloomberg Data for Good Exchange*, 2016

Talks	<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”	
	<b>Decision Consortium</b>	May 2016
	University of Michigan, Psychology Department	
	“Inferring User Attributes from Images”	
	<b>North Carolina Museum of Natural Sciences</b>	Aug. 2013
	With Asher Wasserman	
	“The Hunt for Neutrinos”	
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, AAAI	2019
	Reviewer, EMNLP	2018
	Reviewer, <i>Computer Speech &amp; Language</i>	2017
	<b>Conferences / Workshops Attended</b>	
	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
	Teaching	<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,
Graduate Student Instructor – involved teaching discussion sections, holding office hours, grading, and writing exams and projects		Winter 2016
<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	

Teaching (cont.)	<p><b>Work with CRLT-Engin (Center for Research on Learning &amp; Teaching in Engineering)</b>  Co-facilitator for “Making Teamwork Work” Seminar  <i>Continuing Education for Student Instructors</i></p>	2018
Grants Received	<p><b>ExploreCSR, \$35,000</b>  Google grant for undergraduate computer science research-focused workshops for women</p> <p><b>Gilbert Whitaker Fund, \$5,725</b>  Center for Research on Learning and Teaching grant for activities that enhance the quality of student learning at the University of Michigan</p>	2018-2019  2018
Awards	<p><b>NSF GRFP - Honorable Mention</b>  Honorable mention for the National Science Foundation’s Graduate Research Fellowship Program</p> <p><b>ACM Programming Team</b>  One of three juniors on a team that placed 13th of 126 teams at the 2013 ACM-ICPC E. Central N. America Regional Contest</p> <p><b>UNC at Chapel Hill Capstone Award</b>  Best final presentation summer 2013 REU - \$500</p> <p><b>John David Ormerod Memorial Award</b>  Top-ranked computer science major in sophomore class</p> <p><b>Grove City College Scroll and Key</b>  Academic honor society honoring top 7% of senior class</p> <p><b>OΔK and Mortar Board Honor Societies</b>  Recognition for scholarship, leadership, and service</p> <p><b>Grove City College Trustee Scholarship</b>  Top academic scholarship awarded to 24 freshmen</p> <p><b>Grove City College Presidential Scholarship</b>  Recognition for GPA greater than 3.6</p>	2017  2013  2013  2013  2015  2015  2011-2015  2012-2015
Outreach	<p><b>Girls Encoded (<a href="http://girlsencoded.eecs.umich.edu">girlsencoded.eecs.umich.edu</a>)</b>  <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.</p> <p><b>CS KickStart (<a href="http://cskickstart.eecs.umich.edu">cskickstart.eecs.umich.edu</a>)</b>  <i>Co-organizer &amp; Industrial Relations 2016, Advisor 2017</i>  Annual summer camp introducing freshmen women to computer science. More than 100 applications received each year.</p> <p><b>Hour of Code</b>  <i>Volunteer in Elementary Classroom</i></p> <p><b>N. American Computational Linguistics Olympiad</b>  <i>Graduate Student Grader</i></p>	2016-2017    2016-2017   2017  2016

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 20 November 2018.)*