

Laura A. 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: 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**
(under review) "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

	Conference Posters “Data Acquisition Visualization Development for the MAJORANA DEMONSTRATOR” Wendlandt, L., M. Howe, J. Wilkerson <i>Fall Meeting of the APS Division of Nuclear Physics, 2013</i>	
Talks	Decision Consortium University of Michigan, Psychology Department “Inferring User Attributes from Images” North Carolina Museum of Natural Sciences With Asher Wasserman “The Hunt for Neutrinos”	May 2016 Aug. 2013
Professional Activities	Service Reviewer, <i>Computer Speech & Language</i> Conferences / Workshops Attended Social Informatics (SocInfo) Midwest Speech and Language Days Bloomberg Data for Good Exchange CRA-W Grad Cohort Workshop Fall Meeting of the APS Division of Nuclear Physics	2017 Sept. 2017 April 2017 Sept. 2016 April 2016 Oct. 2013
Teaching	Graduate Student Instructor (UM) EECS 498/595: Natural Language Processing (co-instructor) EECS 281: Data Structures and Algorithms Other Python tutorial instructor at CS KickStart Teaching assistant for CS and Physics (Grove City College) Personal academic tutor (Grove City College)	2017 2015-2016 2017 2012-2015 2013-2015
Awards	NSF GRFP - Honorable Mention Honorable mention for the National Science Foundation’s Graduate Research Fellowship Program ACM Programming Team 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 Best final presentation summer 2013 REU - \$500 John David Ormerod Memorial Award Top-ranked computer science major in sophomore class Grove City College Scroll and Key Academic honor society honoring top 7% of senior class OΔK and Mortar Board Honor Societies Recognition for scholarship, leadership, and service Grove City College Trustee Scholarship Top academic scholarship awarded to 24 freshmen Grove City College Presidential Scholarship Recognition for GPA greater than 3.6	2017 2013 2013 2013 2013 2015 2015 2011-2015 2012-2015

Outreach	CS KickStart	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.	
	Girls Encoded	2016-2017
	<i>Co-organizer, Event Coordinator, Student Funding Committee</i>	
Relevant Coursework	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.	
	Hour of Code	2017
	<i>Volunteer in Elementary Classroom</i>	
	N. American Computational Linguistics Olympiad	2016
	<i>Graduate Student Grader</i>	
References	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	
(CV compiled 8 Jan. 2018.)		