

# Laura (Wendlandt) Burdick

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

Education	<b>Ph.D., Computer Science and Engineering</b> University of Michigan, Ann Arbor, MI <i>Advisor: Dr. Rada Mihalcea</i> <i>Certificates: Graduate Teaching Certificate</i>	(Expected) 2020
	<b>M.S., Computer Science and Engineering</b> University of Michigan, Ann Arbor, MI	April 2017
	<b>B.S., Computer Science</b> Grove City College, Grove City, PA	May 2015
Publications	<p>“Identifying Visible Actions in Lifestyle Vlogs” Ignat, O., <b>L. Burdick</b>, J. Deng, R. Mihalcea <i>Association for Computational Linguistics</i>, 2019</p> <p>“Factors Influencing the Surprising Instability of Word Embeddings” <b>Wendlandt, L.</b>, J. K. Kummerfeld, R. Mihalcea <i>North American Chapter of the Assoc. for Computational Linguistics</i>, 2018</p> <p>“Entity and Event Extraction from Scratch Using Minimal Training Data” <b>Wendlandt, L.</b>, S. Wilson, O. Ignat, C. Welch, L. Zhang, M. Wang, J. Deng, R. Mihalcea <i>Text Analysis Conference</i>, 2018</p> <p>“Multimodal Analysis and Prediction of Latent User Dimensions” <b>Wendlandt, L.</b>, R. Mihalcea, R. Boyd, J. Pennebaker <i>Social Informatics</i>, 2017</p> <p>“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, <b>L. Wendlandt</b>, S. Yang, D. Zhang <i>Bloomberg Data for Good Exchange</i>, 2016</p>	
Grants and Awards	<b>Rackham Outstanding Graduate Student Instructor Award</b> For dedication and excellence in teaching	2019
	<b>Google ExploreCSR Grant, \$35k (2018), \$18k (2019)</b> Co-PI on grants to develop a program introducing undergraduate women to computer science research	2018, 2019
	<b>Center for Research on Learning and Teaching Gilbert Whitaker Fund, \$5,725</b> Co-PI on grant to develop a new one-credit computer science class and enhance the quality of student learning	2018

Grants and Awards, Cont.	<b>National Science Foundation GRFP Honorable Mention</b>	2017
	Honorable mention for Graduate Research Fellowship Program	
	<b>John David Ormerod Memorial Award</b>	2013
	Top-ranked computer science major in class	
Teaching & Advising	<b>Primary Instructor, Discover CS (EECS 198)</b>	Fall 2018
	Designed and taught a new one-credit freshmen-level class	
	<b>Co-instructor, Natural Language Processing (EECS 498/595)</b>	Fall 2017
	Lectured, planned curriculum, held office hours, and graded	
	<i>Ranked by School of Information students in top quartile of classes for overall quality and amount learned</i>	
	<b>TA, Data Structures and Algorithms (EECS 281)</b>	Fall 2015,
	Taught two discussion sections, held office hours, graded, and wrote exams and projects	Winter 2016
	<b>Center for Research on Learning &amp; Teaching in Engineering</b>	
	Engineering Teaching Consultant	Fall 2019
	Practice Teaching Facilitator, Grad. Student Instructor Orientation	Winter 2019
	Practice Teaching Facilitator, Active Learning Practice	Winter 2019
	Co-facilitator, “Addressing Problematic Team Dynamics” seminar	Winter 2019
	Co-facilitator, “Making Teamwork Work” seminar	Fall 2018
	<b>Student Research Advising</b>	
	Yiming Zhang, Undergraduate, <i>Named Entity Recognition for AIDA</i>	Summer 2019
	Yumou Wei, Master’s Student, <i>Named Entity Recognition for AIDA</i>	Summer 2019
	Hui Liu, Master’s Student, <i>Graph Embeddings for Text</i>	Fall 2018
	Mingyuan Zhang, Undergraduate, <i>Embedding Stability</i>	Summer 2018
	Rui Lin, Undergraduate, <i>Twitter Geolocation</i>	Spring 2018
	Po-Heng Chen, Undergraduate, <i>Twitter Geolocation</i>	Spring 2018
	<b>Other</b>	
	Guest instructor, ICOS Big Data Summer Camp	2018
	Guest lecturer, Information Retrieval (EECS 486)	2018
	Personal academic tutor (Grove City College)	2013-2015
	TA, Engineering Physics I and II Labs (Grove City College)	2012
	TA, Non-engineering Physics Lab (Grove City College)	2013
	Grader, Computer Programming I and II (Grove City College)	2013, 2015
	Grader, Computer Architecture and Organization (Grove City College)	2014
Talks	Pydata Ann Arbor Meetup: Lightning Talk	July 2019
	Ann Arbor / Detroit NLPers Meetup	Aug. 2018
	Midwest Speech and Language Days	May 2018
	Decision Consortium, Psychology Department, University of Michigan	May 2016

Employment	<b>Research Assistant, MAJORANA Research Team</b> 2013 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>Software Development Intern, Amazon</b> 2014 Developed complete web application for use in Amazon's Fulfillment Centers, tested with users, prepared code for global production
Professional Activities	<b>Service</b>
	ACL Committee to search for and select first Equity Director 2019
	Student Co-Chair, Student Research Workshop, NAACL-HLT 2019
	<b>Local Service</b>
	Co-chair, a2-dlearn (Ann Arbor deep learning symposium) 2019
	Unconference Session Facilitator, Michigan AI Symposium 2018
	Editorial Board Member, Michigan AI Blog 2018
	<b>Journal Reviewer</b>
	<i>Computer Speech &amp; Language</i> 2017, 2019
	<b>Program Committee Member</b>
Outreach	Association for Computational Linguistics (ACL) 2019
	North American Chapter of the ACL (NAACL-HLT) 2019
	Association for the Advancement of Artificial Intelligence (AAAI) 2019
	Dialog System Technology Challenges 7 (DSTC7), AAAI Workshop 2019
	Affective Computing and Intelligent Interaction (ACII) 2019
	Empirical Methods in Natural Language Processing (EMNLP) 2018, 2019
	<b>Co-director, Girls Encoded (GE)</b> 2016 - <i>Current</i> Focused on recruiting and retaining women in computer science
	<b>Co-director, GE Explore CS Research</b> 2018 - <i>Current</i> Yearly research mentoring program introducing undergraduate women and underrepresented minorities to computer science research
	<b>Co-director and Instructor, GE Middle School Outreach</b> 2018 - 2019 Weekly computer science lessons for middle schoolers
	<b>Co-organizer, Women in Computing Celebration</b> 2017 Opera about Ada Lovelace and lightning talks by women in computing
	<b>Co-founder, CS KickStart</b> 2016 Summer camp introducing freshmen women to computer science
	<b>K-12 Outreach</b>
	Hour of Code Volunteer 2017
	N. American Computational Linguistics Olympiad (NACLO) Grader 2016
	Panel discussion organizer for GE High School Education Day 2016

Outreach, Cont.	<b>University-Level Outreach</b>	
	Advisor for CS KickStart	2017
	Funding Committee for GE funding of student-led initiatives	2017
	Python tutorial instructor for CS KickStart	2017, 2018, 2019
	Organizer of Women in Computing Panels	2017, 2018, 2019
	ECSEL mentor for incoming graduate students	2016, 2018
	Mentor for “Lunch & Lab with a Grad”	2016, 2017, 2018, 2019

Relevant Coursework	<b>Graduate Level</b>	
	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 26 August 2019.)*