Laura A. Wendlandt

wenlaura@umich.edu   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	**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**	
	Reviewer, *Computer Speech & Language*	2017
	Conferences / Workshops Attended	
	Social Informatics (SocInfo)	Sept. 2017
	Midwest Speech and Language Days	April 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	**Graduate Student Instructor (UM)**	
	EECS 498/595, SI 561: Natural Language Processing	2017
	Co-instructor – involved lecturing and planning curriculum	
	(ranked by School of Information students in top quartile	
	of classes for overall quality and amount learned)	
	EECS 281: Data Structures and Algorithms	2015-2016
	Other	
	Guest lecture for Information Retrieval (EECS 486)	2018
	Python tutorial instructor at CS KickStart	2017
	Teaching assistant for CS and Physics (Grove City College)	2012-2015
	Personal academic tutor (Grove City College)	2013-2015

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
	Top academic scholarship awarded to 24 freshmen	
	Grove City College Presidential Scholarship	2012-2015
	Recognition for GPA greater than 3.6	

Outreach	**CS KickStart**	2016-2017

Outreach

CS KickStart 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.

Girls Encoded 2016-2017
Co-organizer, 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.

Hour of Code 2017
Volunteer in Elementary Classroom

N. American Computational Linguistics Olympiad 2016
Graduate Student Grader

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 13 March 2018.)