

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

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| Talks | Midwest Speech and Language Days | May 2018 |
| | “Factors Influencing the Surprising Instability of Word Embeddings” | |
| | 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, <i>Computer Speech & Language</i> | 2017 |
| | Conferences / Workshops Attended | |
| | 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 | Graduate Student Instructor (UM) | |
| | EECS 498/595, SI 561: Natural Language Processing | 2017 |
| | Co-instructor – involved lecturing and planning curriculum | |
| | <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 | 2015-2016 |
| | Other | |
| | Guest instructor for ICOS Big Data Summer Camp | 2018 |
| | Guest lecturer 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 | | |

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| Outreach | <p>CS KickStart (cskickstart.eecs.umich.edu) 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.</p> <p>Girls Encoded (girlsendcoded.eecs.umich.edu) 2016-2017 <i>Co-organizer, 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>Hour of Code 2017 <i>Volunteer in Elementary Classroom</i></p> <p>N. American Computational Linguistics Olympiad 2016 <i>Graduate Student Grader</i></p> |
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| Relevant Coursework | <p>Graduate Level Natural Language Processing, Machine Learning, Advanced AI, Computational Complexity, Continuous Optimization Methods, Parallel Computing</p> <p>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</p> |
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References Available upon request.

(CV compiled 17 May 2018.)