

Su Lin Blodgett

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EDUCATION

University of Massachusetts Amherst

Ph.D., Computer Science 2021
M.S., Computer Science 2018
Advisor: Brendan O'Connor

Wellesley College

B.A., Mathematics 2015

RESEARCH EXPERIENCE

Postdoctoral Researcher. Microsoft Research, Montréal. 2020 –
Fairness, Accountability, Transparency, & Ethics (FATE) Group.

Research Intern. Microsoft Research, New York. Summer 2019
Mentors: Solon Barocas, Hal Daumé III, Hanna Wallach.

Graduate Research Assistant. University of Massachusetts Amherst. 2015 – 2020
Advisor: Brendan O'Connor.

HONORS AND AWARDS

ACL Outstanding Reviewer Award 2021
EMNLP Outstanding Reviewer Award 2020
NSF Computing Innovation Fellowship (declined) 2020
Rising Stars in EE/CS Workshop Participant (fully funded travel & arrangements) 2019
ICWSM Best Reviewer Award 2019
Microsoft Accomplishments in Search & Artificial Intelligence Award for UMass CICS 2019
UMass CICS Outstanding Synthesis Award 2019
New England Future Faculty Workshop Participant 2018
Passed Ph.D. Qualifying Exam (Portfolio) with Distinction 2018
NSF Graduate Research Fellowship 2017
W-NUT Best Paper Award 2017
CRA-Women Grad Cohort Workshop Participant (fully funded travel & arrangements) 2016
UMass CICS Paul Utgoff Memorial Scholarship (for one student in machine learning) 2016

PUBLICATIONS

Full Conference Publications (Peer-Reviewed)

6. Stereotyping Norwegian Salmon: An Inventory of Pitfalls in Fairness Benchmark Datasets.
Su Lin Blodgett, Gilsinia Lopez, Alexandra Olteanu, Robert Sim, and Hanna Wallach. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL)*. 2021.

5. A Survey of Race, Racism, and Anti-Racism in NLP.
Anjalie Field, **Su Lin Blodgett**, Zeerak Waseem, and Yulia Tsvetkov. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL)*. 2021.
4. Language (Technology) is Power: A Critical Survey of “Bias” in NLP.
Su Lin Blodgett, Solon Barocas, Hal Daumé III, and Hanna Wallach. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL)*. 2020.
3. Twitter Universal Dependency Parsing for African-American and Mainstream American English.
Su Lin Blodgett, Johnny Wei, and Brendan O’Connor. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL)*. 2018.
2. Monte Carlo Syntax Marginals for Exploring and Using Dependency Parses.
Katherine Keith, **Su Lin Blodgett**, and Brendan O’Connor. In *Proceedings of the North American Chapter of the Association for Computational Linguistics (NAACL)*. 2018.
1. Demographic Dialectal Variation in Social Media: A Case Study of African-American English.
Su Lin Blodgett, Lisa Green, and Brendan O’Connor. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)*. 2016.

Workshop Publications (Lightly Peer-Reviewed)

3. A Dataset and Classifier for Recognizing Social Media English.
Su Lin Blodgett, Johnny Wei, and Brendan O’Connor. In *Proceedings of the 3rd Workshop on Noisy User-generated Text (W-NUT)*. **W-NUT Best Paper Award**. 2017.
2. Racial Disparity in Natural Language Processing: A Case Study of Social Media African-American English.
Su Lin Blodgett and Brendan O’Connor. In *Proceedings of the Fairness, Accountability, and Transparency in Machine Learning Workshop (FAT/ML)*. 2017.
1. Visualizing Textual Models with In-Text and Word-as-Pixel Highlighting.
Abram Handler, **Su Lin Blodgett**, and Brendan O’Connor. In *Proceedings of the Workshop on Human Interpretability in Machine Learning (WHI)*. 2016.

Non-Archival Presentations (Lightly Peer-Reviewed)

4. Representational Harms in Image Captioning and Labeling.
Jared Katzman, Solon Barocas, **Su Lin Blodgett**, Kristen Laird, and Hanna Wallach. Beyond Fairness: Towards a Just, Equitable, and Accountable Computer Vision Workshop. 2021.
3. Debunking Debiasing: A Critique of Bias Measurement in NLP.
Su Lin Blodgett, Solon Barocas, Hal Daumé III, and Hanna Wallach. Women in Machine Learning Workshop (WiML). 2019.
2. Debunking Debiasing: A Critique of Bias Measurement in NLP.
Su Lin Blodgett, Solon Barocas, Hal Daumé III, and Hanna Wallach. Conference on New Directions in Analyzing Text as Data (TADA). 2019.
1. Natural Language Processing Methods to Learn about Social Determinants of Health from Electronic Health Records.
David L. Chin, Vishal A. Shetty, **Su Lin Blodgett**, and Brendan T. O’Connor. AcademyHealth Annual Research Meeting. 2019.

In Submission

1. Confronting Structural Inequities in AI for Education.
Michael Madaio, **Su Lin Blodgett**, Elijah Mayfield, and Ezekiel Dixon-Román.

Other

1. How to Write a Bias Statement: Recommendations for Submissions to the Workshop on Gender Bias in NLP.
Christian Hardmeier, Marta R. Costa-jussà, Kellie Webster, Will Radford, and **Su Lin Blodgett**. arXiv. 2021.

WORKSHOPS AND TUTORIALS ORGANIZED

2. Workshop on Bridging Human–Computer Interaction and Natural Language Processing.
Su Lin Blodgett, Michael Madaio, Brendan O’Connor, Hanna Wallach, and Qian Yang.
Conference of the European Chapter of the Association for Computational Linguistics (EACL). 2021.
1. Tutorial: The Meaning and Measurement of Bias: Lessons from NLP.
Abigail Z. Jacobs, **Su Lin Blodgett**, Solon Barocas, Hal Daumé III, and Hanna Wallach.
Conference on Fairness, Accountability, and Transparency (FAccT). 2020.

INVITED TALKS AND PANELS

21. “Towards Building Equitable Language Technologies”. xAI Discussion Group, Aggregate Intellect. July 2021.
20. Invited panelist, Ethics in AI Panel. Level 3 AI Assistant Conference (L3-AI). June 2021.
19. “Towards Building Equitable Language Technologies”. Annual Linguistics Student Association Spring Colloquium, San Diego State University. May 2021.
18. ———. Artificial Intelligence in the Liberal Arts, Amherst College. April 2021.
17. “Language and Justice: Reconsidering Harms in Language Systems and Practices”. Seminar Series, Naver Labs. April 2021.
16. ———. NLP/Text-as-Data Speaker Series, New York University. April 2021.
15. ———. AI Ethics Group, MIT. March 2021.
14. ———. NLP Seminar, University of California, Berkeley. March 2021.
13. Invited panelist, Voices of Data Science at UMass Amherst. February 2021.
12. “Language and Justice: Reconsidering Harms in Language Systems and Practices”. NLP Seminar, Stanford University. February 2021.
11. “Language and Justice: Understanding Harms in NLP Systems and Practices”. Computer Science & Engineering Colloquia Series, Washington University in St. Louis. November 2020.
10. “Language and Justice: A Collection of Thoughts on the Social Implications of Language Technologies”. NLP with Friends. October 2020.
9. “Language and Justice: Understanding Harms in NLP Systems and Practices”. Educational Testing Service. August 2020.
8. “Sociolinguistically Driven Approaches for Justice in Natural Language Processing Systems”. Microsoft Research New York. February 2020.
7. “Fairness and Justice in Natural Language Processing”. Womxn in Computer Science, Dartmouth College. November 2019.

6. “Demographic Dialectal Variation in Social Media”. Computational Social Science Institute Seminar, University of Massachusetts Amherst. April 2019.
5. _____. Workshop on New Methods in Computational Sociolinguistics, Lorentz Center, Leiden University. November 2018.
4. _____. Summer Dialect Research Project, Department of Linguistics, University of Massachusetts Amherst. June 2018.
3. _____. Data Science Research Symposium, University of Massachusetts Amherst. April 2017.
2. _____. Computational Linguistics Workshop, Department of Linguistics, University of Massachusetts Amherst. April 2017.
1. _____. Computer Science Colloquium, Wellesley College. November 2016.

TEACHING AND MENTORING

Co-Instructor. Ethical Issues Surrounding Artificial Intelligence Systems and Big Data. Fall 2018
Co-designed and co-taught the course, a computer science first year seminar.

Teaching Assistant. Advanced Natural Language Processing (graduate). Spring 2017

Guest Lectures

“Language and Justice”. University of Wisconsin-Madison.	2020
“NLP and Social Good”. University of Massachusetts Amherst.	2020
“Ethics in NLP”. University of Massachusetts Amherst.	2020
_____. Mount Holyoke College.	2020
“Ethics in Machine Learning”. Mount Holyoke College.	2020
“Variation in Social Media”. Mount Holyoke College.	2017
_____. University of Massachusetts Amherst.	2017

Mentoring

Lucy Li (University of California, Berkeley), MSR research internship	2021
Kaitlyn Zhou (Stanford University), MSR research internship	2021

SERVICE AND PROFESSIONAL ACTIVITIES

Reviewing

ACL	2019 – 2021
EMNLP	2018 – 2021
ICWSM	2019 – 2021
NAACL	2019, 2021
EACL	2021
TACL	2021
FAccT	2021
CoNLL	2020
PLOS One	2018

Ethics review: EMNLP Ethics Review Committee (2021), NeurIPS ethical reviewer (2020)

Workshops: Women in Machine Learning, Workshop on Noisy User-generated Text, Teaching NLP, NLP for Positive Impact, Workshop on Online Abuse and Harms

Other

Mentoring group leader, EACL	2021
Guest, Rasa Chats	2021
Guest, Radical AI Podcast	2021
Mentoring group leader, EMNLP	2020
Ph.D. Applicant Support Program mentor, UMass CICS	2020
Volunteer, Women in Machine Learning Workshop (WiML)	2019
Senior Ph.D. Student Panelist, UMass CICS CS Women	2019
Succeeding in Graduate School Panelist, UMass Graduate Orientation	2018
Volunteer, ACL	2018
Co-organizer, Inaugural Male Allyship Workshop, UMass Computer Science	2017
Panelist, Mount Holyoke Graduate School Panel	2017
Social Media Chair, UMass CS Women	2016 – 2017
Mentoring Committee Member, UMass Graduate Women in STEM	2016 – 2017
Volunteer, EMNLP	2016
Volunteer, UMass Women in Engineering and Computing Career Day	2015