

# Amandalynne Paullada | Curriculum Vitae

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## RESEARCH INTERESTS

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Natural language processing, Language justice, Critical data studies, Digital health equity

## EDUCATION

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<b>Ph.D. in Computational Linguistics, University of Washington</b> <i>Advisor:</i> Fei Xia	2016 – 2021
<b>M.A. in Computational Linguistics, Brandeis University</b>	2013 – 2015
<b>B.A. in Linguistics, University of California, Santa Cruz</b> <i>Study abroad, full immersion:</i> Universitat de Barcelona – 2011	2008 – 2012
<b>B.A. in Economics, University of California, Santa Cruz</b>	2008 – 2012

## PROFESSIONAL EXPERIENCE

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<b>Postdoctoral Scholar-Fellow, Biomedical Informatics and Medical Education</b> University of Washington School of Medicine <i>Funding:</i> National Library of Medicine Biomedical Informatics Research Trainee Program	2022 – present
<b>Research Assistant, Biomedical Informatics and Medical Education</b> University of Washington School of Medicine <i>PI:</i> Trevor Cohen	2019 – 2021
<b>Research Intern, Semantic Scholar</b> Allen Institute for Artificial Intelligence <i>Mentors:</i> Sergey Feldman, Kyle Lo	Fall 2018
<b>Data Science for Social Good Student Fellow</b> University of Washington eScience Institute <i>Team:</i> Seattle Mobility Index	Summer 2018
<b>Data Science &amp; NLP Intern</b> Cambia Health Solutions, Seattle WA	Summer 2017
<b>Researcher</b> Smart Information Flow Technologies, Lexington MA	2015 – 2016
<b>Research Intern</b> Smart Information Flow Technologies, Lexington MA	2014 – 2015
<b>Lexical Data Processing Intern</b> PANLEX Project, San Francisco CA	Summer 2013

## PUBLICATIONS

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Angelina McMillan-Major, **Amandalynne Paullada**, Yacine Jernite, and Hugging Face. An interactive exploratory tool for the task of hate speech detection. *HCI+ NLP 2022*, page 11, 2022.

Courtney Mansfield, **Amandalynne Paullada**, and Kristen Howell. Behind the mask: Demographic bias in name detection for pii masking. In *Proceedings of the Second Workshop on Language Technology for Equality, Diversity and Inclusion*, pages 76–89, 2022.

**Amandalynne Paullada**, Inioluwa Deborah Raji, Emily M Bender, Emily Denton, and Alex Hanna. Data and its (dis) contents: A survey of dataset development and use in machine learning research. *Patterns*, 2(11):100336, 2021.

Inioluwa Deborah Raji, Emily M Bender, **Amandalynne Paullada**, Emily Denton, and Alex Hanna. AI and the everything in the whole wide world benchmark. In *Thirty-fifth Conference on Neural Information Processing Systems Datasets and Benchmarks Track (Round 2)*, 2021.

Naomi Tachikawa Shapiro, **Amandalynne Paullada**, and Shane Steinert-Threlkeld. A multilabel approach to morphosyntactic probing. *arXiv preprint arXiv:2104.08464*, 2021.

**Amandalynne Paullada**, Inioluwa Deborah Raji, Emily M Bender, Emily Denton, and Alex Hanna. Data and its (dis) contents: A survey of dataset development and use in machine learning research. *Workshop on Machine Learning Retrospectives, Surveys & Meta-Analyses, NeurIPS*, 2020. **Best Paper Award Recipient**.

**Amandalynne Paullada**, Bethany Percha, and Trevor Cohen. Improving Biomedical Analogical Retrieval with Embedding of Structural Dependencies. In *Proceedings of the 19th SIGBioMed Workshop on Biomedical Language Processing*, pages 38–48. Association for Computational Linguistics, 2020.

Ian Kennedy, Christian Hess, **Amandalynne Paullada**, and Sarah Chasins. Racialized Discourse in Seattle Rental Ad Texts. *Social Forces*, 08 2020.

Rachael Tatman, Leo Stewart, **Amandalynne Paullada**, and Emma Spiro. Non-lexical Features Encode Political Affiliation on Twitter. In *Proceedings of the Second Workshop on NLP and Computational Social Science*, pages 63–67. Association for Computational Linguistics, 2017.

Rachael Tatman and **Amandalynne Paullada**. Social Identity and Punctuation Variation in the # BlueLivesMatter and # BlackLivesMatter Twitter Communities [poster]. In *33rd Northwest Linguistics Conference, Vancouver, British Columbia*, 2017.

David McDonald, Scott Friedman, **Amandalynne Paullada**, Rusty Bobrow, and Mark Burstein. Extending Biology Models with Deep NLP over Scientific Articles. In *AAAI-16 Workshop on Knowledge Extraction from Text*, 2016.

David McDonald, Scott Friedman, Mark Burstein, Alex Plotnick, **Amandalynne Paullada**, Rusty Bobrow, and Brent Cochran. Learning by Reading: Extending & Localizing Against a Model. In *Fourth Annual Conference on Advances in Cognitive Systems*, 2016.

Peggy Wu, Tammy Ott, **Amandalynne Paullada**, Derek Mayer, Jeremy Gottlieb, and Peter Wall. Cognitive Workload Assessment through Zero Intrusion Detection Methods. In *3rd International Conference on Safety Management and Human Factors*, 2016.

Peggy Wu, Tammy Ott, **Amandalynne Paullada**, Derek Mayer, Jeremy Gottlieb, and Peter Wall. ATHENA – a zero-intrusion no contact method for workload detection using linguistics, keyboard dynamics, and computer vision [poster]. In *18th International Conference on Human-Computer Interaction*, 2016. Best Poster Award.

## PRESENTATIONS AND PANELS

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### Ethical considerations for secondary use of medical data (Poster)

UW Medical Data Science Symposium

February 2023

### Content moderation has a language problem (Panelist)

RightsCon

June 2022

<b>Who and what gets counted? Contextual requirements for datasets (Panelist)</b>	
Building the NIST AI Risk Management Framework: Workshop #2	March 2022
<b>FATE concerns in NLP (Panelist)</b>	
MSR & MILA Workshop	April 2021
<b>Digital Humanities Day (Panelist)</b>	
University of Washington	February 2021
<b>Multi-label Element Extraction for Evidence Based Medicine</b>	
Second Widening NLP Workshop (talk)	June 2018
12th Women in Machine Learning Workshop (poster)	December 2017
<b>Totes Adorbs: Identity Effects in Colloquial English Truncation (Talk)</b>	
USC Undergraduate Linguistics Conference	October 2012

## INVITED TALKS

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<b>Pervasive Data Ethics for Computational Research (PERVADE) Webinar Series</b>	
<i>Host:</i> Katie Shilton (University of Maryland)	July 2022
<b>Data and its (dis)contents</b>	
University of Washington Computational Linguistics Lab (Treehouse)	February 2021
<b>Using Datasets Wisely</b>	
Cisco UX & Metrics Reading Group	February 2021
Drift AI	January 2021
Rsqr AI	October 2020

## TEACHING

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<b>Instructor, University of Washington</b>	
Seminar: Biomedical Applications of Language Technology (BIME 591 B)	Spring 2023
<b>Teaching Assistant, University of Washington</b>	
Introduction to Language and Society (LING 233)	Spring 2018
Statistical Approaches to Natural Language Processing (LING 572)	Winter 2018
Introduction to Linguistic Thought (LING 200)	Fall 2016 – Fall 2017
<b>Teaching Assistant, Brandeis University</b>	
Critical Reading and Analytical Writing for ESL Students (ESL 1a)	Fall 2014
Analytical Writing for ESL Students (ESL 1a)	Summer 2014
Morphology (LING 115a)	Spring 2014
Syntactic Theory (LING 120)	Fall 2013
<b>Tutor, Brandeis University</b>	
English Language Program 1-on-1 Writing Tutorial	2013 – 2014

## GUEST LECTURES

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### Strategies for Thinking About Research Ethics

Professional Development in Biomedical Informatics (BIME 586)

Winter 2022, 2023

*Hosts:* Trevor Cohen, John Gennari

### Data and its (dis)contents

Value Sensitive Data Processing (LING 575)

Spring 2022

*Host:* Margaret Mitchell

### Examining Data and Data Practices in Machine Learning

NLP and the Real World (LING 575)

Winter 2021

*Host:* Fei Xia

## SERVICE

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### Workshop Co-chair

ACL Student Research Workshop @ ACL-IJCNLP 2021

### Conference and Workshop Organizing

NLM T15 Training Conference 2023 Scientific Committee, Stanford University

NWLC 2020, Virtual

AFLA 2017, University of Washington

WCCFL 2012, University of California, Santa Cruz

### Mentorship

*‘Should I do a PhD?’* Mentorship Panel, UW Computational Linguistics Lab (2021)

*Graduate School in Linguistics* Mentorship Panel, UW Linguistics Department (2021)

Outreaching Grads Program, University of Washington (2020–2021)

*Surviving Graduate School* Group Mentoring Session, ACL 2020

### Journal Reviewer

Frontiers in Psychology

Information, Communication and Society

Journal of Biomedical Informatics

Nature Machine Intelligence

### Conference Reviewer

The Web Conference 2023

NeurIPS 2022 (Ethics reviewer)

FAccT 2021, 2022

ACL 2019, 2020 (Secondary reviewer)

CoNLL 2019, 2020

### Workshop Reviewer

BioNLP 2023

NLP-OSS 2020

WiNLP 2019, 2020

### Student Governance

Senator, UW Graduate and Professional Senate (2019–2020)

Secretary, Linguistic Society of UW (2017–2019)

## PUBLIC SPEAKING & TUTORIALS

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### Coding Best Practices

University of Washington Computational Linguistics Lab (Treehouse)

March 2021, Sept. 2018, February 2018

### Introduction to Praat Scripting

University of Washington Phonetics Lab

October 2017

### Introduction to IPython

Boston PyLadies Meetup Group

November 2015

### Introduction to NLTK

Boston Python User Group

October 2015

### Computing Linguistic Similarity with Python

Boston PyLadies Meetup Group

April 2015

## SKILLS

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### Programming

Languages: Python, Java

Version control: Git

### NLP & Machine Learning

AllenNLP, PyTorch, NLTK

### Languages

English (Native)

Spanish (Fluent)

French (Intermediate)

Russian (Intermediate)

Korean (Heritage speaker)

## SCHOLARSHIPS

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### Travel Grant

Widening NLP Workshop, June 2018

Women in Machine Learning Workshop, December 2017

### Diversity Scholarship

PyData Seattle, June 2017

## PROFESSIONAL DEVELOPMENT

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### UW Biomedical Research Integrity Program (Virtual)

Summer 2022

### FAccT Doctoral Consortium (Virtual)

March 2021

### Rising Stars in EECS, UC Berkeley (Virtual)

November 2020

### Machine Learning Summer School (MLSS), Madrid, Spain

August 2018

### Python Conference (PyCon)

Portland, OR

May 2017

Montréal, QC

April 2015

Montréal, QC

April 2014

# VOLUNTEERING

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Ravenna Pop-up Kitchen, Seattle WA	2018 – present
Green Seattle Day, Seattle WA	2017, 2019
Big Brothers Big Sisters of Massachusetts Bay, Boston MA	2015 – 2016
Harvard Square Homeless Shelter, Cambridge MA	2016

Last updated: June 4, 2023