Amandalynne Paullada | Curriculum Vitae

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RESEARCH INTERESTS

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

EDUCATION

Ph.D. in Computational Linguistics, University of Washington   2016 – 2021
> *Advisor*: Fei Xia

M.A. in Computational Linguistics, Brandeis University   2013 – 2015

B.A. in Linguistics, University of California, Santa Cruz   2008 – 2012
> *Study abroad, full immersion*: Universitat de Barcelona – 2011

B.A. in Economics, University of California, Santa Cruz   2008 – 2012

PROFESSIONAL EXPERIENCE

Postdoctoral Scholar-Fellow, Biomedical Informatics and Medical Education   2022 – present
> University of Washington School of Medicine
>
> *Funding*: National Library of Medicine Biomedical Informatics Research Trainee Program

Research Assistant, Biomedical Informatics and Medical Education   2019 – 2021
> University of Washington School of Medicine
>
> *PI*: Trevor Cohen

Research Intern, Semantic Scholar   Fall 2018
> Allen Institute for Artificial Intelligence
>
> *Mentors*: Sergey Feldman, Kyle Lo

Data Science for Social Good Student Fellow   Summer 2018
> University of Washington eScience Institute
>
> *Team*: Seattle Mobility Index

Data Science & NLP Intern   Summer 2017
> Cambia Health Solutions, Seattle WA

Researcher   2015 – 2016
> Smart Information Flow Technologies, Lexington MA

Research Intern   2014 – 2015
> Smart Information Flow Technologies, Lexington MA

Lexical Data Processing Intern   Summer 2013
> PANLEX Project, San Francisco CA

Publications

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

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

Who and what gets counted? Contextual requirements for datasets (Panelist)

Building the NIST AI Risk Management Framework: Workshop #2   March 2022

FATE concerns in NLP (Panelist)

MSR & MILA Workshop   April 2021

Digital Humanities Day (Panelist)

University of Washington   February 2021

Multi-label Element Extraction for Evidence Based Medicine

Second Widening NLP Workshop (talk)   June 2018

12th Women in Machine Learning Workshop (poster)   December 2017

Totes Adorbs: Identity Effects in Colloquial English Truncation (Talk)

USC Undergraduate Linguistics Conference   October 2012

INVITED TALKS

Pervasive Data Ethics for Computational Research (PERVADE) Webinar Series

Host: Katie Shilton (University of Maryland)   July 2022

Data and its (dis)contents

University of Washington Computational Linguistics Lab (Treehouse)   February 2021

Using Datasets Wisely

Cisco UX & Metrics Reading Group   February 2021

Drift AI   January 2021

Rsqrd AI   October 2020

TEACHING

Instructor, University of Washington

Seminar: Biomedical Applications of Language Technology (BIME 591 B)   Spring 2023

Teaching Assistant, University of Washington

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

Teaching Assistant, Brandeis University

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

Tutor, Brandeis University

English Language Program 1-on-1 Writing Tutorial   2013 – 2014

Guest Lectures

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

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)

Scholarships and Awards

Excellence in Linguistic Research Graduate Fellowship

UW Department of Linguistics, Fall 2021

Travel Grant

Widening NLP Workshop, June 2018
Women in Machine Learning Workshop, December 2017

Diversity Scholarship

PyData Seattle, June 2017

Public Speaking & Tutorials

AI THAT WRITES 101

Authored by AI Podcast   February 2023

Hosts: Stephen Follows, Eliel Camargo-Molina

Lost in Translation: When Machines Learn Language

TEC Talks Podcast   July 2022

Host: Kirsten Martin, Notre Dame Technology Ethics Center (ND TEC)

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

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)

Professional Development

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

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

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