

Lia Chen Bozarth

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OVERVIEW

I'm interested in applying computational methods to study and improve communication quality between heterogeneous actors on social media. I have worked 3 years as a full-stack software developer at top-tier tech firms, followed by 4 years of research experience in the field of computational social science.

Data Analysis Methods: network analysis, natural language processing, machine learning, data scraping and storage, data visualization, statistics, web services, and crowdsourcing (e.g., Mechanical Turk).

Programming Languages and Tools: Python, R, Java, Javascript, PHP & MySQL, Bash, Git, Google Cloud Services, Amazon AWS, Hadoop & Spark, Slurm, Elasticsearch, MongoDB, Pandas, Scikit-learn, Networkx, Twitter streaming API, Reddit API, Stanford NLP libraries, Pycharm and Jupyter.

EDUCATION

Ph.D.	School of Information, University of Michigan	Sep 2016 - Ongoing
B.S.	Computer Science, University of Washington	Sep 2009 - Dec 2012

WORK & RESEARCH HISTORY

University of Michigan	Ph.D. Research Assistant	Sep 2016 - Ongoing
<ul style="list-style-type: none">Adopted computational methods including network analysis, natural language process, and machine learning to examine large-scale social media datasets. Published numerous manuscripts in the field of fake news, online social movements, and political communications studies.		
Microsoft Research	Ph.D. Research Intern	May 2018 - Aug 2018
<ul style="list-style-type: none">Built pipeline to continuously fetch Indian politicians' tweets via Twitter API, and then store data in Elasticsearch instances. Supervised the front-end web services and data visualization.		
University of Michigan	Graduate Student Instructor	Sep 2017 - Apr 2018
<ul style="list-style-type: none">Collaborated with coursework planning, delivered lectures, and formulated exams.		
Google Inc.	Software Developer	Jun 2014 - Feb 2016
<ul style="list-style-type: none">Key engineer in the development and integration of the Revert API in Social Graph		
Amazon Inc.	Software Developer	Feb 2013 – Jun 2014
<ul style="list-style-type: none">One of the key engineers for the External Payments Batch Processing Service development.		

PUBLICATIONS

Peer-reviewed conference and journal articles

- Lia Bozarth, Ceren Budak, "Market Forces: Quantifying the Role of Top Credible Ad Servers in the Fake News Ecosystem", forthcoming, ICWSM (2021)
- Lia Bozarth, Ceren Budak "Toward a Systematic Evaluation Framework of Fake News Classifiers", ICWSM(2020).
- Lia Bozarth, Aparajita Saraf, and Ceren Budak, "How Groundtruth Labeling Impacts Our Understanding of the Spread of Fake News During the 2016 Election", ICWSM(2020).
- Lia Bozarth, Ceren Budak, "Beyond the Eye-Catchers: a Large-Scale Study of Social Movement Organizations' Involvement in Online Protests". New Media & Society (2020)
- Lia Bozarth, Anmol Panda, Joyojeet Pal, "From Greetings to Corruption: Politicians, Political Parties, and Tweeting in India", ICTD (2020).
- Lia Bozarth & Joyojeet Pal, "Twitter Discourse as a Lens into Politicians' Interest in Technology and Development", in proceedings, ICTDX (2018).
- Lia Bozarth & Ceren Budak, "Is Slacktivism Underrated? Measuring the Value of Slacktivists for Online Social Movements", in proceedings, ICWSM (2017).

Non-archival

- Robert Bond, Lia Bozarth, Ceren Budak, Kelly Garrett, Jason Jones, Drew Margolin, "The Case for Studying Obscure Falsehoods", Harvard Kennedy School Misinformation Review (2021)
- Lia Bozarth, Ceren Budak, "Profit for You and Me: Exploring Ad Servers on Fake News Sites", best poster for the *Social Impact* category, MIDAS Symposium (2019)
- Lia Bozarth, Ceren Budak, "A Large-scale Study of Social Movement Organizations (SMOs) in Online Movements", best poster honorable mention, MIDAS TweetCon (2019)
- Jyojeet Pal & Lia Bozarth, "Is Tweeting in Indian Languages Helping Politicians Widen Their Reach?", Economic and Political Weekly (2018).