Lia Chen Bozarth (Curriculum Vitae)

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HIGHLIGHTS

- Seeking opportunities to provide data-driven solutions to contemporary issues, and to contribute to positive societal impact.
- 3 years of industry experience as a full-stack software developer.
- 5 years of research in the field of computational social science.

EDUCATION

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

RESEARCH & WORK HISTORY

Ph.D. Canidate	University of Michigan	Sep 2016 - Ongoing
Ph.D. Research Intern	Bell Labs, U.K.	May 2021 - Aug 2021
Ph.D. Research Intern	Microsoft Research, India	May 2018 - Aug 2018
Graduate Student Instructor	University of Michigan	Sep 2017 - Apr 2018
Visiting Researcher	University of Washington	Aug 2015 - Jan 2016
Software Engineer	Google Inc.	Jun 2014 - Feb 2016
Software Engineer	Amazon Inc.	Feb 2013 – Jun 2014
SDE Intern	Expedia Inc.	Jun 2012 – Sep 2012

PUBLICATIONS

Peer-reviewed Conference and Journal Papers

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

Non-archival Papers

9. Lia Bozarth, Ceren Budak, "Market Forces: Quantifying the Role of Top Credible Ad Servers in the Fake News Ecosystem", IC2S2 (2020)
10. Lia Bozarth, Ceren Budak, "Measuring Ideological Bias in Fake News Classifiers", IC2S2 (2020)

AWARDS, ARTICLES & IN THE PRESS

1. Robert Bond, Lia Bozarth, Ceren Budak, Kelly Garrett, Jason Jones, Drew Margolin, “The Case for Studying Obscure Falsehoods”, forthcoming, Harvard Kennedy School Misinformation Review (2021)

2. Lia Bozarth, Ceren Budak, "Profit for You and Me: Exploring Ad Servers on Fake News Sites", best poster for the category "Most Likely to Make a Societal Impact", MIDAS Data Symposium (2019)
3. Lia Bozarth, Ceren Budak, “A Large-scale Study of Social Movement Organizations (SMOs) in Online Movements”, best poster honorable mention, MIDAS TweetCon (2019)
4. Joyojeet Pal & Lia Bozarth, “*How Modi lost his mojo and Rahul roared to life on Twitter*”, Quartz (2018).
5. Joyojeet Pal & Lia Bozarth, “*Is Tweeting in Indian Languages Helping Politicians Widen Their Reach?*”, Economic and Political Weekly (2018).

UNDER REVIEW

1. Lia Bozarth, Ceren Budak, “Keyword Expansion Techniques for Mining Social Movement Data on Social Media”
2. Chris Quarles, Lia Bozarth “How the Term “White Privilege” Affects Online Communication”
3. Ceren Budak, Robert Bond, Lia Bozarth, Kelly Garrett, Jason Jones, Drew Margolin, “Bursts of Co-publication Among High and Low Credibility Online News Publishers Observed on Facebook”

SKILLS

Data Analytics:

- Social network analysis: centrality, cascade, community detection, motifs
- Natural language processing: text data mining, word2vec, topic modeling, part-of-speech parsing, entity extraction
- Machine learning: feature engineering, bias analysis, neural network, Tensorflow, PyTorch
- Time-series analysis: trend, outlier detection, prediction

General Programming:

- Programming Language: Python, R, Java, Javascript
- Distributed processing: Hadoop, Spark
- Data scraping: Selenium, Trafilatura
- Data storage and management: ElasticSearch, MongoDB
- Data visualization: Gephi, ggplot2
- Web services: Google Cloud, AWS
- Crowdsourcing: Mechanical Turk

ACADEMIC SERVICE

Served as the coordinator for the Computational Social Science Methods (CSSM) Reading Group
Served as a facilitator for UMSI's LGBTQ student group
Served as a student representative at Rackham Graduate Student Government