

## EDUCATION

PhD.	Information School, University of Michigan	Sep 2016 - May 2021
B.S.	Computer Science, University of Washington	Sep 2009 - Dec 2012

## PUBLICATIONS

Lia Bozarth & Ceren Budak, “*Is Slacktivism Underrated? Measuring the Value of Slacktivists for Online Social Movements*”, in proceedings, ICWSM (2017).

## UNDER REVIEW:

Lia Bozarth & Ceren Budak, “*Social Movement Organizations in Online Movements*”

## ACADEMIC SERVICE:

- Graduate Student Instructor (GSI) at University of Michigan
- Student Representative in Rackham Graduate Student Government at the university level.
- Coordinator for the Computational Social Science Reading Group at the department level

## RESEARCH UTILITIES

- Programming Languages: Python, R, Java, Javascript, PHP, and MySQL.
- Theories: network diffusion, social capital, tie strength, collective action, social media activism.
- Methods(techniques): network analysis, natural language processing, data mining, database management, data visualization, machine learning, web services, and Mechanical Turk.

## RESEARCH HISTORY

Research Assistant                      University of Michigan, Ann Arbor                      Sep 2016 - Current

- Built a MySQL pipeline to store and access over 45 million tweets. The pipeline significantly optimized subsequent data analysis processes.
- Utilized multiple Twitter APIs to gather additional data.
- Conducted topic modeling, sentiment analysis, tweet classification, propensity score matching, network analysis, and visualization on dataset to assess slacktivist contribution to online activism with respect to a wide scope of dimensions.
- Captured novel results within the field of social media activism and drafted a full paper within the first four months as a research assistant while taking the required coursework. The paper was accepted for publication as a short paper in ICWSM 2017.

Visiting Researcher                      University of Washington, Seattle                      Aug 2015 - Jan 2016

- Developed code to crawl top United States and Chinese websites in diverse categories, assessed and recorded each webpage’s complexity score using method from existing literature.
- Designed draft experiments analyzing the effect of the webpage complexity on work efficiency of native Chinese speakers and of native English speakers.
- Presented and defended proposals in meetings, finalized research methods, implemented experiments to the production code repository.

## WORK HISTORY

- Software Engineer                      Google Inc., Social Infrastructure                      Jun 2014 - Feb 2016
- Developed and integrated the Revert API in the new social graph backend service.
  - Re-architected existing extended-circle Access Control List (ACL) code path.
  - Implemented a new MapReduce to backfill missing SocialEntities in SuperGlue using FlumeJava.
- Software Engineer                      Amazon Inc., External Payments                      Feb 2013 – Jun 2014
- Developed Instant Payment Notification (IPN) Integration Tool in SellerCentral.
  - Coordinated the development of Amazon Advanced Payment Main Integration Tool.
  - One of the key engineers in developing the External Payments Batch Processing Service.
- Software Engineer Intern              Expedia Inc., Orders                      Jun 2012 – Sep 2012
- Remodeled Order Management Service's (OMS) data search platform.