

## 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).

## 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
<ul style="list-style-type: none"><li>• Built a MySQL pipeline to store and access over 45 million tweets. The pipeline significantly optimized subsequent data analysis processes.</li><li>• Utilized multiple Twitter APIs to gather additional data.</li><li>• 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.</li><li>• 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.</li></ul>		
Visiting Researcher	University of Washington, Seattle	Aug 2015 - Jan 2016
<ul style="list-style-type: none"><li>• 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.</li><li>• Designed draft experiments analyzing the effect of the webpage complexity on work efficiency of native Chinese speakers and of native English speakers.</li><li>• Presented and defended proposals in meetings, finalized research methods, implemented experiments to the production code repository.</li></ul>		

## WORK HISTORY

Software Engineer	Google Inc., Social Infrastructure	Jun 2014 - Feb 2016
<ul style="list-style-type: none"><li>• Developed and integrated the Revert API in the new social graph backend service.</li><li>• Re-architected existing extended-circle Access Control List (ACL) code path.</li><li>• Implemented a new MapReduce to backfill missing SocialEntities in SuperGlue using FlumeJava.</li></ul>		
Software Engineer	Amazon Inc., External Payments	Feb 2013 – Jun 2014
<ul style="list-style-type: none"><li>• Developed Instant Payment Notification (IPN) Integration Tool in SellerCentral.</li><li>• Coordinated the development of Amazon Advanced Payment Main Integration Tool.</li><li>• One of the key engineers in developing the External Payments Batch Processing Service.</li></ul>		
Software Engineer Intern	Expedia Inc., Orders	Jun 2012 – Sep 2012
<ul style="list-style-type: none"><li>• Remodeled Order Management Service’s (OMS) data search platform.</li></ul>		