



**Jack Bandy**

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## Education

Northwestern University (Ph.D. Computer Science & Communication Studies, est. 2023)

University of Kentucky (M.S. Computer Science, 2018)

Wheaton College, IL (B.S. Computer Science, 2016)

## Research and Professional Experience

### **PHD STUDENT, NORTHWESTERN UNIVERSITY – EVANSTON, IL – 2018 - PRESENT**

Researching algorithmic platforms (like Apple News, TikTok, Twitter) and their impact on society. Advised by Dr. Nicholas Diakopoulos in the Computational Journalism Lab.

### **TEACHING ASSISTANT, NORTHWESTERN UNIVERSITY – EVANSTON, IL – SPRING 2021**

Teaching assistant for Dr. Adam Waytz's ethics class.

### **GRADUATE RESEARCH ASSISTANT, UNIVERSITY OF KENTUCKY – LEXINGTON, KY – 2016 - 2018**

Applied deep learning to identify ink in microCT scans of ancient scrolls, culminating in the PLOS ONE publication. Advised by Dr. Brent Seales.

### **SOFTWARE DEVELOPER, LEGIT APPS LLC – LEXINGTON, KY – SUMMER 2017**

Worked on a small team in a scrum-style environment to produce, publish, and maintain mobile applications on both iOS and Android.

### **RESEARCH ASSISTANT, UNC CHARLOTTE – CHARLOTTE, NC – SUMMER OF 2015 & 2016**

National Science Foundation's Research Experience for Undergraduates at UNC Charlotte. Resulted in PerCom publication. Advised by Dr. Jamie Payton.

## Peer-Reviewed Publications

**Bandy, J., & Diakopoulos, N. (2020)** More Accounts, Fewer Links: How Algorithmic Curation Impacts Media Exposure in Twitter Timelines. CSCW 2021.

**Bandy, J., & Hecht, B. (2020)** Errors in Geotargeted Display Advertising: Good News for Local Journalism? CSCW 2021.

**Bandy, J. (2020)** Problematic Machine Behavior: A Systematic Literature Review of Algorithm Audits. CSCW 2021.

**Bandy, J., and Diakopoulos, N. (2020)** "Auditing News Curation Systems: A Case Study Examining Algorithmic and Editorial Logic in Apple News." ICWSM 2020.

Parker, C. S., Parsons, S., **Bandy, J.**, Chapman, C., Coppens, F., & Seales, W. B. (2019) From invisibility to readability: Recovering the ink of Herculaneum. PLOS ONE.

## Workshop Papers, Demos, and Other Publications

**Bandy, J., & Diakopoulos, N.** (2020) #TulsaFlop: A Case Study of Algorithmically-Influenced Collective Action on TikTok. FAcctRec Workshop at RecSys 2020.

Hagar, N., **Bandy, J.**, Trielli, D., Wang, Y., & Diakopoulos, N. (2020) Defining Local News: A Computational Approach. Computation + Journalism Symposium 2020.

**Bandy, J., & Diakopoulos, N.** (2019). Getting to the Core of Algorithmic News Aggregators. Computation + Journalism Symposium 2019.

**Bandy, J.** (2018) Interactive Machine Learning for Word Spotting on Damaged Handwritten Documents. University of Kentucky Master's Thesis.

**Bandy, J.** (2018) Automation moderation: finding symbiosis with anti-human technology. AI Matters, 3(4).

**Bandy, J., Knighten, J., & Payton, J.** (2016) Demonstrating HighFiveLive: A mobile application for recognizing symbolic gestures. 2016 IEEE PerCom Workshops.

## Community Service

### **TECHNOLOGY AND JUSTICE READING GROUP – SUMMER 2020 - PRESENT**

Co-organizer for a graduate student book club at Northwestern University, reading about technology's relationship to systems of oppression and social justice.

### **FACCT CONFERENCE VOLUNTEER – SPRING 2021**

Helped moderate and facilitate workshops for the 2021 FAcct conference.

## Awards & Recognitions

### **ACM SIGAI STUDENT ESSAY CONTEST WINNER, 2017**

Selected as winner of the ACM SIGAI Student Essay Contest on the Responsible Use of AI Technologies.