Emma Lurie

elurie@ischool.berkeley.edu
https://emmalurie.github.io

EDUCATION

University of California, Berkeley 2019-Present
Ph.D. Student in Information Management and Systems
Advisor: Deirdre Mulligan

Wellesley College 2015-2019
B.A. in Computer Science (Honors) and Chinese Language & Culture
Thesis: Challenges of Algorithmically Assigning Fact-checks: A Sociotechnical Examination of Google's Reviewed Claims.

PUBLICATIONS

Refereed Publications

Lurie, Emma, & Mustafaraj, E. (2019). Opening Up the Black Box: Auditing Google's Top Stories Algorithm. *In Proceedings of the International Florida Artificial Intelligence Research Society Conference*, 32.

Lurie, E., Mustafaraj, E. (2018). Investigating the Effects of Google's Search Engine Result Page in Evaluating the Credibility of Online News Sources. *In Proceedings of the 10th ACM Conference on Web Science, (WebSci '18)*. Amsterdam. 27-30 May 2018.

Nonarchival Publications

Lurie, E.*, Rothschild, A.*, Mustafaraj E. (2019). How the Interplay of Google and Wikipedia Affects Perceptions of Online News Sources. *Computation + Journalism Symposium 2019.* Miami, FL.

Lurie, E. (2019). Considering Contestability in Automated Fact-Checking Systems. *Contestability Workshop at CSCW'19*. Austin, TX.

FELLOWSHIPS & AWARDS:

NSF Graduate Research Fellowship Program Honorable Mention. 2019.

Computing Research Association's (CRA) Outstanding Undergraduate Researcher Award Runner-Up. 2019.

Best Computer Science Poster at Wellesley College Summer Research Program "Stop Falling for Fake News: Three Easy Steps," 2017.

Best Poster at Carnegie Mellon University OurCS Conference "Stop Falling for Fake News: Three Easy Steps," 2017.

Albright Institute Fellowship 2017-2018.

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RESEARCH EXPERIENCE

Wellesley College Computer Science Department, Wellesley, MA
Research Assistant- CRED Lab with Prof. Eni Mustafaraj May 2017- May 2019

- Write and research articles about misinformation, credibility, and algorithmic auditing.
- Design protocol, methods, and analysis for user studies assessing web literacy skills.
- Develop codebase to monitor Google search results pages and conduct analysis of results.

Research Assistant with Dr. Sravana Reddy Sept. 2016 - May 2017

- Researched native language's effect on code stylometry in the visual programming environment, App Inventor.
- Leveraged Python sklearn library to apply machine learning techniques.
- Generated feature set, co-authored unpublished paper write-up of findings.

MIT Political Science Department, Cambridge, MA September 2017- December 2018
MIT Election Data and Science Lab, Undergraduate Researcher for Prof. Charles Stewart

- Developed 1000+ line programs for collecting precinct level election data.
- Designed and created open-source election night monitoring tools.
- Programmatically standardized election data using R and Python.

WORK EXPERIENCE

Coding it Forward, Washington, D.C.
Data Science Fellow at the U.S. Census Bureau

- Prototyped data visualization tool that enables Census economists and statisticians to make more efficient resource allocation decisions.
- Developed ArcGIS scripts to allow Census economists better evaluate survey geographic representativeness.

Wellesley College Computer Science Department, Wellesley, MA
Computer Programming Teaching Assistant Sept. 2016- Dec. 2017

- Facilitated weekly question and answer sessions covering topics ranging from problem solving techniques to best practices for code style.
- Explained foundational programming concepts (object-oriented design, recursion) in accessible language.
- Led discussion groups and provided mentorship for students with an interest in CS.

Girls Who Code, Cambridge, MA June-August 2016
Summer Immersion Program Teaching Assistant

- Co-taught six programming languages over seven weeks including Python and HTML/CSS/JavaScript to 20 high school girls.
- Created lesson plans and problem sets for struggling students.

Robogals, Wellesley, MA Sept. 2015 - May 2017
Volunteer, Co-Training Manager

- Updated and modified a curriculum focused on building computational thinking skills and inspiring enthusiasm for engineering.
- Managed and trained 40 student volunteers.