Emma Lurie

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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: The Challenges of Algorithmically Assigning Fact-checks: A Sociotechnical Examination of
Google's Reviewed Claims.

PUBLICATIONS

Refereed Publications

Mustafaraj, E., **Lurie, E.** (2020). The Case for Voter-Centered Audits of Search Engines During
Political Elections. *In Proceedings of FAT* 2020*.

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

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.

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.

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   Jun. – Aug. 2019
- 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   Jun.-Aug. 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.