Emma Lurie

elurie@ischool.berkeley.edu

EDUCATION

University of California, Berkeley School of Information   August 2019- Present
Ph.D. student

Wellesley College, Wellesley, MA   2015-2019
Bachelor of Arts
Majors: Computer Science (Honors) and Chinese Language & Culture

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 concerning online misinformation, fact-checking and credibility.
- Create and analyze user studies to assess individuals' web literacy skills.
- Develop and maintain scripts that scrape and monitor Google search results pages.
- Leveraged data science and machine learning techniques to analyze the intersection of online misinformation and advertising.

MIT Political Science Department, Cambridge, MA   Sept. 2017- Dec. 2018
MIT Election Data and Science Lab, Undergraduate Researcher
- Developed readable and modular scripts for collecting precinct level election data.
- Programmatically standardize election data using R and Python.
- Designed and created open-source election night scraping tools.

Wellesley College Computer Science Department, Wellesley, MA
Research Assistant-Hess Fellow 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.

PUBLICATIONS

Mustafaraj E., **Lurie E.,** (2019). "Opening Up the Black Box: Auditing Google's Top Stories Algorithm." In Proceedings of the 32nd *Florida Artificial Intelligence Research Society Conference* FLAIRS' 19).

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

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. (27% acceptance rate.)
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POSTERS & PRESENTATIONS & OTHER WRITING:

Lurie, E. (2019). "The Challenges of Algorithmically Assigning Fact-checks:
A Sociotechnical Examination of Google's Reviewed Claims." *Undergraduate honors thesis.*

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Lurie E., and Mustafaraj, E. "The Challenges of Algorithmically Assigning Fact-checks: A Sociotechnical Examination of Google's Reviewed Claims." Poster Presentation at the 2019 Web Conference Misinfo Workshop.

Lurie, E., Umarova, K., Mustafaraj, E. "Stop Falling for Fake News: Three Easy Steps." Poster Presentation at Carnegie Mellon University OurCS Conference, Pittsburgh, PA, October 2017. Awarded *Best Poster.*

Lurie, E., Umarova, K., Mustafaraj, E. "Stop Falling for Fake News: Three Easy Steps." Poster Presentation at Wellesley College Summer Research Program, Wellesley, MA, July 2017. *Awarded Best Computer Science Poster.*

Umarova, K., **Lurie, E.,** Mustafaraj, E. "SERP Observatory of Pseudoscience: Exploring Misinformation in Google Searches" Poster Presentation at Wellesley College Summer Research Program, Wellesley, MA, July 2017.

Lurie, E., Reddy, S. "Native Language in App Inventor via Code Stylometry." Poster Presentation at the Wellesley College Undergraduate Research Symposium, Wellesley, MA, April 2017.

Lurie, E. "Scraping Election Data in R and Python." Presentation at the MIT Election Data and Science Lab. Cambridge, MA, August 2018.

Lurie, E. "Why Google Isn't Always Right." Written for *The Spoke*. October 2017.

Lurie, E. "Googling for the Kansas Primary." Written on *Medium*. August 2018.

HONORS:

National Science Foundation Graduate Research Fellowship Honorable Mention 2019.

Computing Research Association's (CRA) Outstanding Undergraduate Researcher Award for 2019: Runner up.

Wellesley College Computer Science Department Academic Achievement Awardee.

SIGWeb Student Travel Grant. May 2018.

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.

WORK EXPERIENCE

Civic Digital Fellowship, Washington, D.C.
Data Science Fellow at the U.S. Census Bureau   June-August 2019

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- Create interactive visualizations of economic data to inform better decision making by the Census Economic Indicator Division team using the Python Dash library.
- Develop ArcGIS maps to explore the representativeness of Census Bureau surveys.
- Communicate technical ideas and concepts to Census economists and other stakeholders

Wellesley College Pforzheimer Learning and Teaching Center, Wellesley, MA
Computer Programming and Problem Solving Tutor and Peer Mentor   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 group and provided mentorship for students with an interest in computer science.

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.