

ANNABEL R. ROTHSCHILD

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EDUCATION

Wellesley College

Candidate for Bachelor of Arts in Computer Science, Minor in Mathematics

Wellesley, MA, USA

August 2016 - May 2020

HONORS

SPLASH 2019 Travel Grant – for PLMW

October 2019

Madeleine K. Albright Institute (Wellesley College) Fellow

2018 - 2019

RESEARCH EXPERIENCE

Wellesley College Lerner Security & Privacy Lab

Undergraduate Honors Thesis

Wellesley, MA, USA

since August 2019

Supervised by Dr. Ada Lerner

- Design and execute studies to 1) clarify the link between smartphone user assessment of an app's data collection capabilities and the trust they subsequently confer on the app, and 2) understand how well smartphone users estimate data collection by apps
- Monitor information flow between mobile apps and ad servers with MITMPROXY and RECON to support studies on data collection, compare with privacy policy and terms of service legal paperwork
- Conduct extensive literature review of previous efforts to limit data collection by ad libraries integrated into Android host apps, qualitative work about the impacts of data collection and surveillance, and the data collection ecosystem at large

OFFIS & Carl von Ossietzky University of Oldenburg

Undergraduate Research Intern

Oldenburg, Lower Saxony, Germany

since June 2019

Supervised by Dr. Torben Wallbaum, in the lab of Prof. Dr. Susanne Boll, as part of the NSF IRES Ubicomp program, run by Dr. Andrew Kun (UNH) and Dr. Orit Shaer (Wellesley)

- Developed prototype Android application *FeelsLike* to increase the sense of proximity between long distance partners through the sharing of biometric data and emotions; explanatory video [here](#)
- Designed and conducted pilot study, including surveys and participant interviews
- Currently developing iOS version, designing and recruiting participants for use in longer term study

Georgia Institute of Technology

Undergraduate Research Assistant

Atlanta, GA, USA

May 2018 | July 2018

Supervised by Dr. Yanni Loukissas as part of the NSF Civic Data Science REU directed by Dr. Ellen Zegura and Dr. Christopher Le Dantec (all Georgia Tech)

- Helped design physical space for *Atlanta Map Room*, a collaborative, large-scale, interpretive mapping space; explanatory video [here](#)
- Researched potentially relevant data sets, then obtained, cleaned, and geocoded said sets, including property tax assessment data for the City of Atlanta and data sets from external non-for-profits
- Co-developed Web application to display data with JavaScript/HTML/CSS, Node.js, Socket.io, and the DataTables j-Query plugin

Wellesley College Cred Lab

Undergraduate Research Assistant

Wellesley, MA, USA

since January 2018

Supervised by Dr. Eni Mustafaraj

- Co-coordinated and developed technical materials for Wikipedia Edit-a-Thons at Wellesley, as part of Mike Caulfield's *Newspapers on Wikipedia project*
- Collected data sets for projects on revisions to Wikipedia pages, utilizing Web-scraping tools including Selenium Webdriver and BeautifulSoup
- Presented findings on how Google users interact with the results page for an unfamiliar news source at the 2019 Computation + Journalism Symposium

- Papers

- **A. Rothschild***, E. Lurie*, E. Mustafaraj, 2019, *How the Interplay of Google and Wikipedia Affects Perceptions of Online News Sources*, Computation + Journalism, Miami, FL, 1-2 February 2019. Note: Our paper was reviewed *here* in *The Signpost*, the newspaper of English-language Wikipedia

- Posters

- **A. Rothschild**, T. Wallbaum, S. Boll. *FeelsLike: an application to increase the sense of proximity between long distance partners*. Poster presented at the Summer School on Human-Computer Interaction in Safety Critical Environments hosted by the University of Oldenburg, Germany (July 2019).
- M. Khan*, C. Polack*, **A. Rothschild***. *The Atlanta Map Room: an Interactive Mapping Community Space*. Poster and talk presented at Civic Data Science REU final presentation (July 2018).

- Presentations

- **A. Rothschild**. *Undergraduate Research Panel*, talk for Wellesley College Computer Science Club, 19 March 2020. *Event cancelled due to COVID-19 pandemic*.
- **A. Rothschild**. *Building Culturally Sensitive Apps*, presentation at Wellesley College Tanner Conference, 29 October 2019.
- **A. Rothschild**. Panelist, *Internship Mentorship Panel* hosted by the Wellesley College Computer Science Club, 24 April 2019.
- **A. Rothschild** and E. Lurie. Talk on *How the Interplay of Google and Wikipedia Affects Perceptions of Online News Sources* at C+J 2019.
- **A. Rothschild**. *The Atlanta Map Room*, talk at the Wellesley College Tanner Conference, 30 October 2018.
- Y. Loukissas and **A. Rothschild**. *The Atlanta Map Room*, talk at the Summer 2018 Atlanta Studies Meet Up, 30 August 2018.

TEACHING EXPERIENCE

Wellesley College

since August 2017

Teaching Assistant for CS230: Data Structures. Supplemental Instruction Leader, since August 2018: lead and create worksheets & lesson plans for two weekly review sessions; host weekly office hour. Tutor, August 2017 - May 2018: help students with problem sets through weekly office hours and one-on-one tutoring.

Girls Who Code

May 2017 | August 2017

Teaching Assistant. Help lead teachers in planning and delivery of lectures with topics including robotics, web development, data structures, and algorithms. Built and fostered an empowering community for 38 students from diverse backgrounds.

Science Club for Girls

January 2017 | May 2018

Lead Instructor. Teach a class of 4th-grade girls in computer science fundamentals using Scratch Jr., with a focus on creativity, while building a safe and supportive environment. Created curriculum for Wellesley's sister organization, Science Outreach at Wellesley, in computer science and logic, through an Independent Study course.

Harvard University Phillip Brooks House

September 2016 | May 2017

After-school Instructor. Provide a safe after-school space for elementary school students in South Boston through weekly commitment. Helped create engaging activities for sessions and tutored students in reading and English-language vocabulary.