

Education

2013–2017 **B.A., Macalester College**, St. Paul, MN
Statistics, Economics

GPA: 3.65

Awards and Honors

- Dewitt Wallace Distinguished Scholar, 2013-7
- Dean's List, 2013-5

Experience

May 2019 - **Technologist.**

current *Princeton Gerrymandering Project*, Princeton, NJ

- Write back-end code (Python, Django) for [OpenPrecincts.org](https://openprecincts.org) to collect, validate, and make public a high-quality national database of precinct shapefiles matched with election results and census data;
- Write front-end code (JavaScript, React) to build tools that remove barriers between citizens, communities, and re-districters in advance of 2021;
- Design web applications for OpenPrecincts to optimize the UX and UI.

Sept. 2017 - **Data Associate.**

Feb. 2019 *Mathematica Policy Research*, Cambridge MA

- Build dynamic web apps using Vue.js, JavaScript, HTML, and CSS for the Centers for Medicaid & Medicare Services;
- Develop and implement statistical models to evaluate the impact of Medicare intervention programs;
- Create static data visualizations in D3 to plot and map results from statistical models;
- Lead the Data Ethics working group and coordinated my office's participation in the Boston Pride Parade.

Independent & Freelance Projects

Dec. 2018 - **Data working group lead.**

May 2019 *Court Watch NYC*, New York NY

- Re-structure the data collection, data storage, and data analysis processes at a district attorney watchdog organization overseeing arraignment court proceedings, writing a Django web app in the process.

April 2018 **Communicating Far-Right Patterns on YouTube.**

Independent project

- Scraped video metadata from far-right YouTubers using Python;
- Created a report on far-right influencers on YouTube, including graphs, text, and interactive digital media;

Sept. 2016 - **An Analysis of Body-Worn Cameras in Officer-Involved Shootings.**

June 2017 *Statistics Honors Thesis*, Macalester College St. Paul MN

- Researched and analyzed the relationship between body-worn cameras and victim race in officer-involved shootings using data from the Washington Post's "Fatal Force" database;
- Received the David Bressoud prize for excellence in communication of mathematics and social issues.

Information Technology

Advanced Python (Django), R, JavaScript (Vue.js, React.js), HTML, CSS, Git, Julia, LaTeX, Microsoft Office
Intermediate Bash, Processing, AWS, Tableau
Basic Ruby, SQL, PostgreSQL, Haskell