Hope Johnson

Education

2013–2017 **B.A.,** *Macalester College*, St. Paul, MN   *GPA: 3.65*
Statistics, Economics

Awards and Honors

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

Experience

Sept. 2017 -   **Data Associate**.
Feb. 2019   *Mathematica Policy Research*, Cambridge MA
- Build dynamic web apps using 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.

Dec. 2016 -   **Data Visualization Consultant**.
June 2017   *Bill & Melinda Gates Foundation*, Seattle WA
- Quantify and visualize gaps between health services and patient care among Kenyan households;
- Prepare visuals, analysis, and discussion for articles in the Journal of Infectious Disease.

Independent & Freelance Projects

Feb. 2019 -   **Freelance software engineer, reporter**.
current   *Various organizations*, New York NY
- Edit Dotdash websites with mathematical content and re-structure the format;
- Analyze NYC library funding and use data for a forthcoming story.

Dec. 2018 -   **Data working group lead**.
current   *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**.
Data & Society, New York NY
- Researched and wrote 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, R, JavaScript, HTML, CSS, Git, Julia, LaTex, Microsoft Office
Intermediate   Ruby, Bash, Processing, AWS, Tableau
Basic   SQL, PostgreSQL, Haskell

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