

# Sara Johns

## Education

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### Northwestern University

Evanston, IL

*Bachelor of Arts with Honors in Economics, June 2017*

*September 2013 – June 2017*

*Bachelor of Arts in Environmental Science, June 2017*

*cum laude*

Honors Thesis: "Effect of Wind Generation on Wholesale Electric Prices in the Texas (ERCOT) Market," advised by Professor Mar Reguant

Cumulative GPA: 3.78/4.00

## Honors and Awards

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- Frederick S. Deibler Award for Distinguished Honors Thesis (June 2017)  
*One of six students given an award for an exemplary senior honors thesis*
  - Phi Beta Kappa (June 2017)
  - Excellence in Sustainability Award (March 2017)  
*Student winner of quarterly award given to those who have displayed outstanding leadership and dedication in promoting sustainability on campus*
  - Summer Internship Grant Program Awardee (2015)  
*One of about 200 students awarded funding for a summer internship*
  - Dean's List (2013 - 2017)

## Research and Work Experience

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### Pre-Doctoral Research Fellow | The Stanford Graduate School of Business

Palo Alto, CA

PI: Professor Kathryn Shaw

*July 2017 – July 2018*

- Conducted lasso and OLS regression analyses to model worker attrition using R
- Merged and cleaned large datasets for use in analyses using Stata and R

PI: Professor Aruna Ranganathan

*July 2017 – July 2018*

- Conducted regression analyses to study effects of managerial style, overtime work, and job structure on productivity and health using Stata
- Constructed measures such as cosine similarity and Jaccard indices to assess job overlap

PI: Professor Rebecca Diamond

*July 2018 – Present*

- Implemented Monte Carlo simulations to assess validity of different instrumental variables
- Created and merged spatial datasets using Google API, QGIS, R, and Stata

PI: Professor Tim McQuade

*July 2018 – Present*

- Carried out regression analyses to study the causal effect of immigration on innovation

### Research Assistant | Northwestern University

Evanston, IL

PI: Professor Mar Reguant

*February 2017 – June 2017*

- Conducted panel regression analyses to study price uncertainty due to renewable generation in California using Stata
- Scraped data from California Independent System Operator (CAISO) database using Perl

### Policy Intern | Environmental Data and Governance Initiative

Washington, D.C.

PI: Professor Christopher Sellers

*December 2016 – October 2017*

- Analyzed historical budget, personnel, and legislation data for federal agencies to create agency forecasts for archiving

- Generated annotated bibliographies on presidential transitions and legislation using online databases and journals
- Authored reports on important changes to federal websites
- Conducted interviews to create an oral history for federal agencies

**Research Assistant | Northwestern University Kellogg School of Management** **Evanston, IL**  
*PI: Professor Razvan Lungeanu* *November 2015 – June 2017*

- Identified, interpreted, and coded information about biotechnology companies from 424B and S-1 documents using the Securities and Exchange Commission's EDGAR database

**GIS Analyst Intern | SoCore Energy** **Chicago, IL**  
*Supervisor: Laura Caspari* *June 2016 – August 2016*

- Prospected for utility-scale solar projects using ArcGIS to select sites for solar projects
- Researched and summarized permit requirements at state, county, and local levels and ran financial models for requests for proposals

**Summer Sustainability Intern | Howard Community College** **Columbia, MD**  
*Supervisor: Robert Marietta* *June 2015 – August 2015*

- Researched best practices in order to create a proposal for recycling and green office programs
- Facilitated stream restoration projects through conservation planting, collaborating with engineers, and performing qualitative reviews of sites

## Publications

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### Published

"History of US Presidential Assaults on Modern Environmental Health Protection." Fredrickson et al. *American Journal of Public Health*, April 2018.

### Acknowledgments

"The Environmental Protection Agency in the Early Trump Administration: Prelude to Regulatory Capture." Dillon et al. *American Journal of Public Health*, April 2018.

## Academic Leadership and Service

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**Students for Ecological and Environmental Development** **Evanston, IL**  
*President (2016 – 2017), Outreach and Green Cup Chair (2014 – 2016)* *October 2013 – June 2017*

- Coordinated organization operations and events by overseeing an 8-member executive board
- Organized sustainable activities fair in coordination with two student group co-sponsors and ten supporting student groups resulting in approximately 250 attendees
- Planned and executed a month-long, 8 event competition to encourage sustainability by applying for and securing \$3600 of grant funding, partnering with student groups to coordinate logistics, and establishing a system to determine energy and water use reduction

**Associated Student Government** **Evanston, IL**  
*Sustainability Committee, Academics Project Lead* *October 2013 – June 2017*

- Coordinated and led meetings for students and faculty across departments to discuss current and future environmental science and sustainability curriculum
- Established first Environmental Day of Service on campus for students to volunteer in local environmental organizations

## Skills

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**Computer:** Proficient in Stata, ArcGIS,  $\text{\LaTeX}$ ; Intermediate in R, Perl